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STIRRER (OPTIONAL)

12

REACTION
VESSEL

10

14

THERMOSTATED
ALUMINUM BLOCK

MAGNETOSENSITIVE
REGION OF HALL
EFFECT PROBE 16

18

MAGNETOMETER
CONTROL
BOX

INPUT OUTPUT

CHART
RECORDER

20

15

TO AUXILIARY DEVICES
(FFT ANALYZER,
MAGNETIC STORAGE)

INSTRUMENTATION, BLOCK DIAGRAM

FIG. 1a

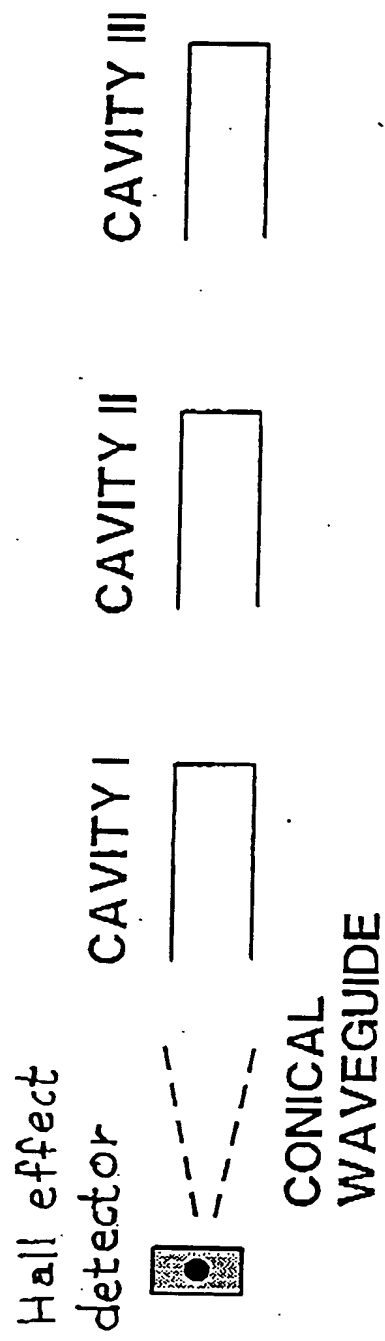


FIG. 1b

1c/15c

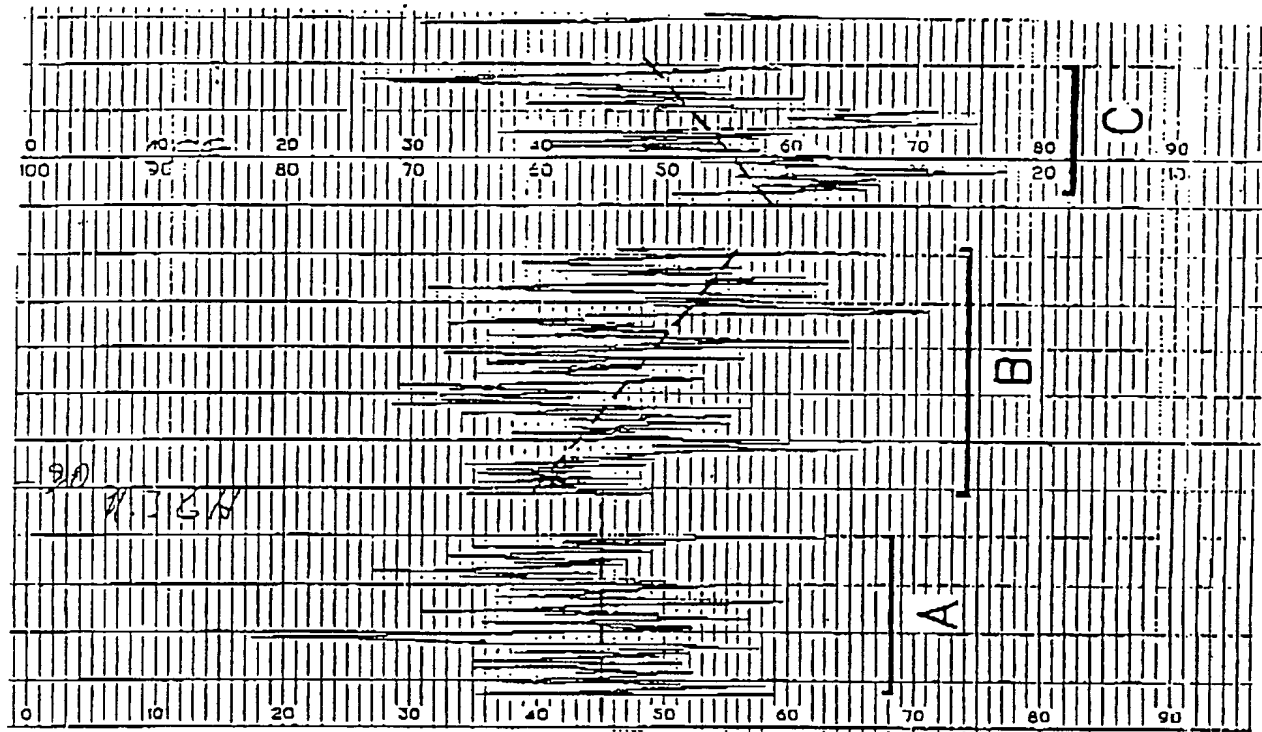
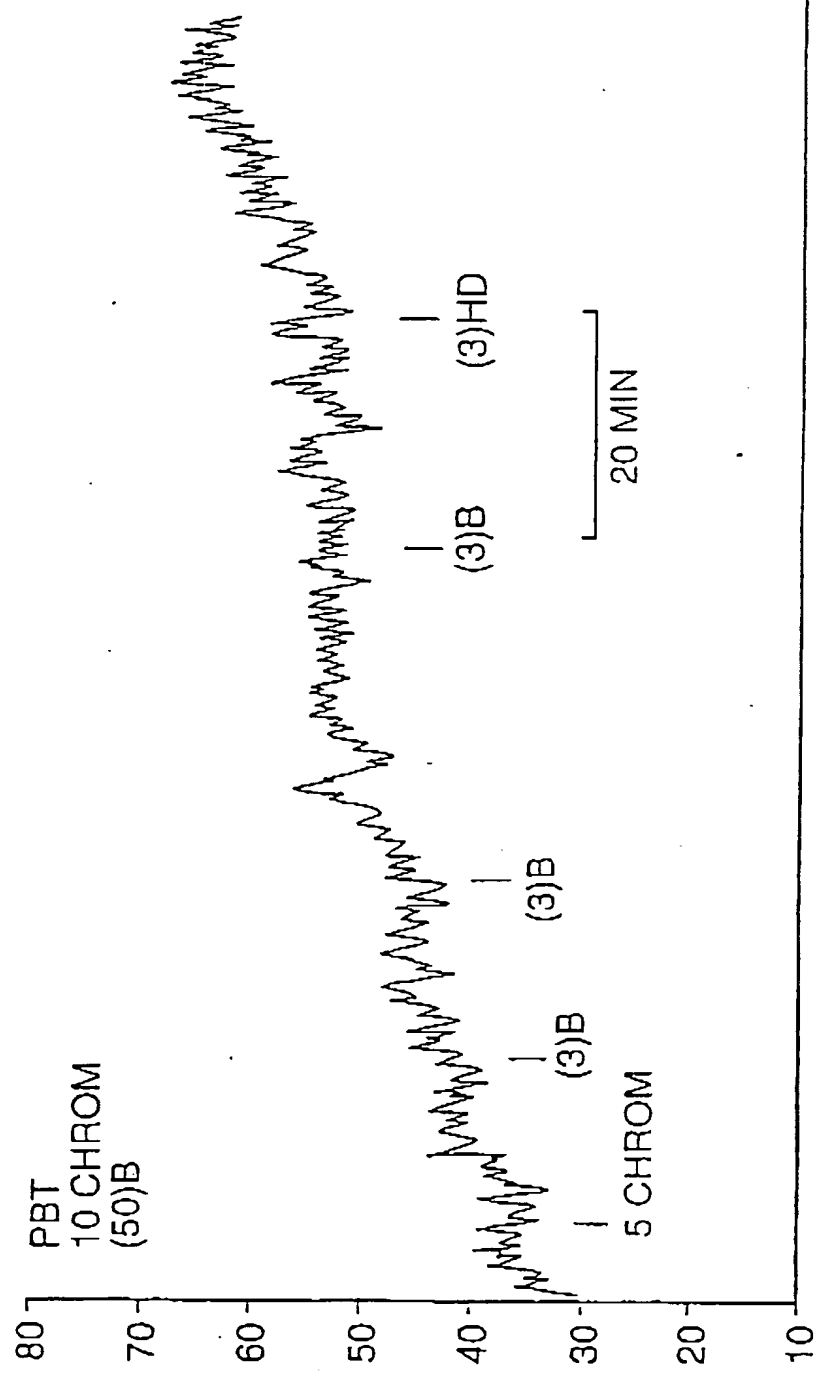


FIG. 1c



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FIG.2.

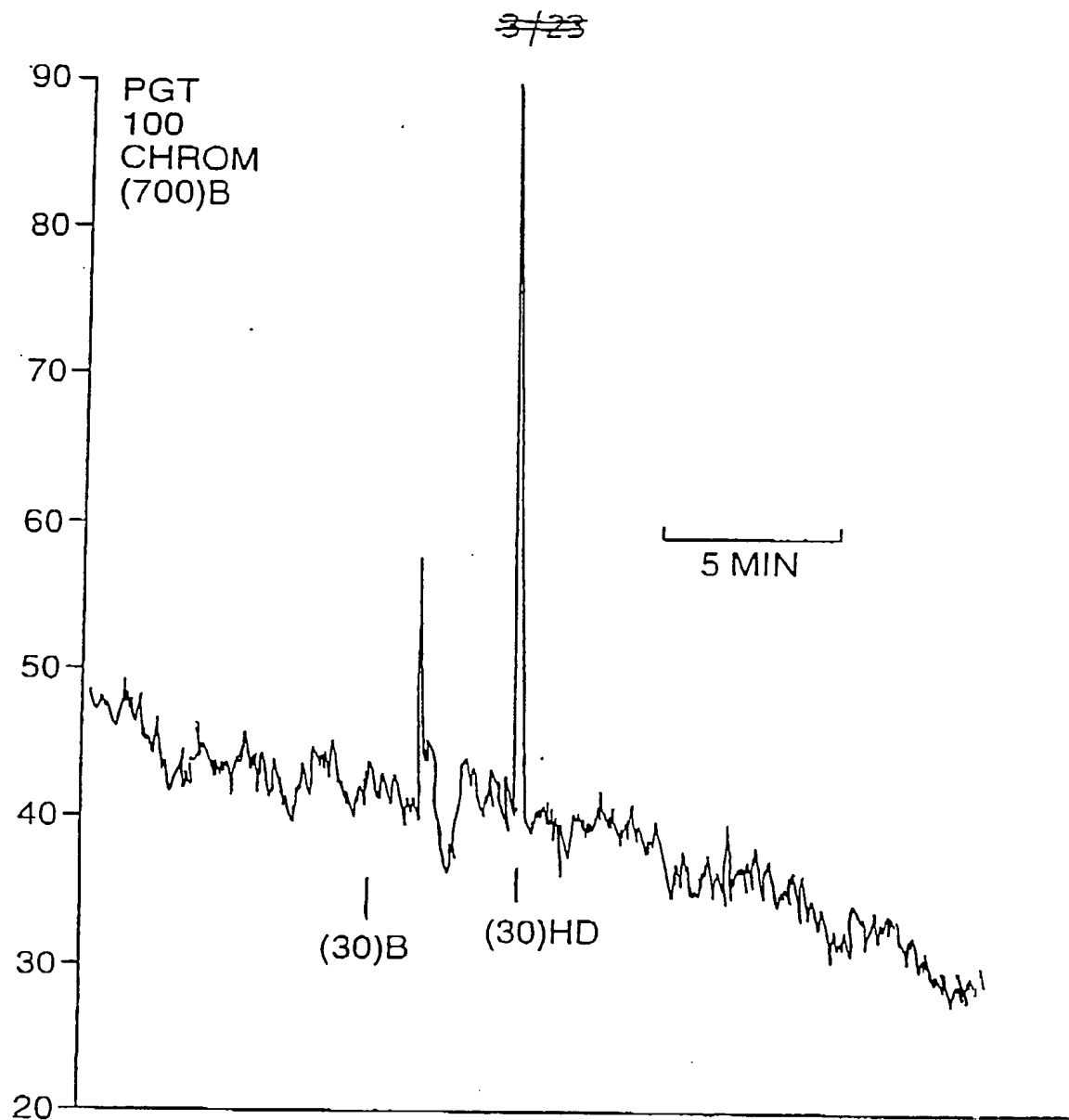


FIG.3.

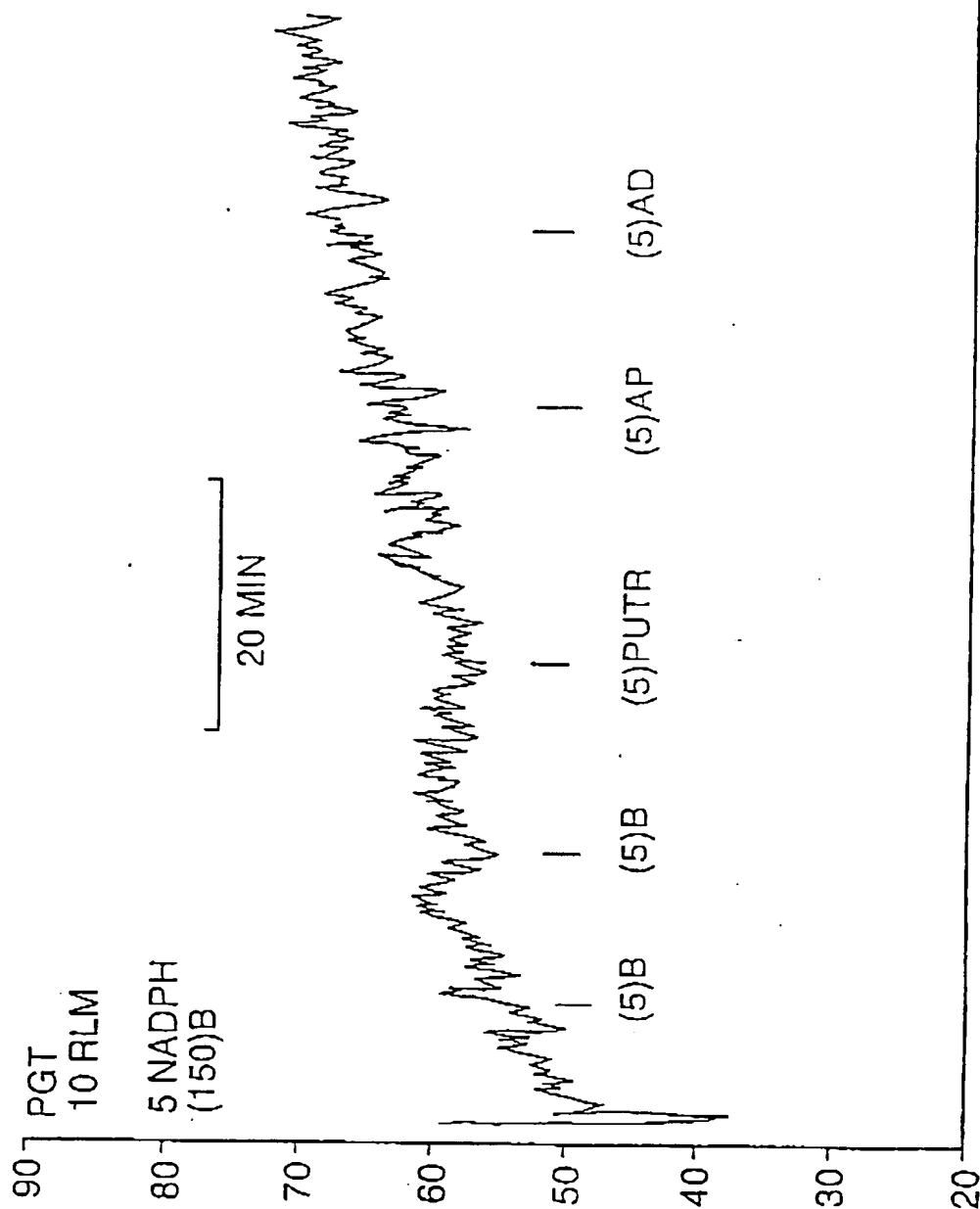


FIG.4.

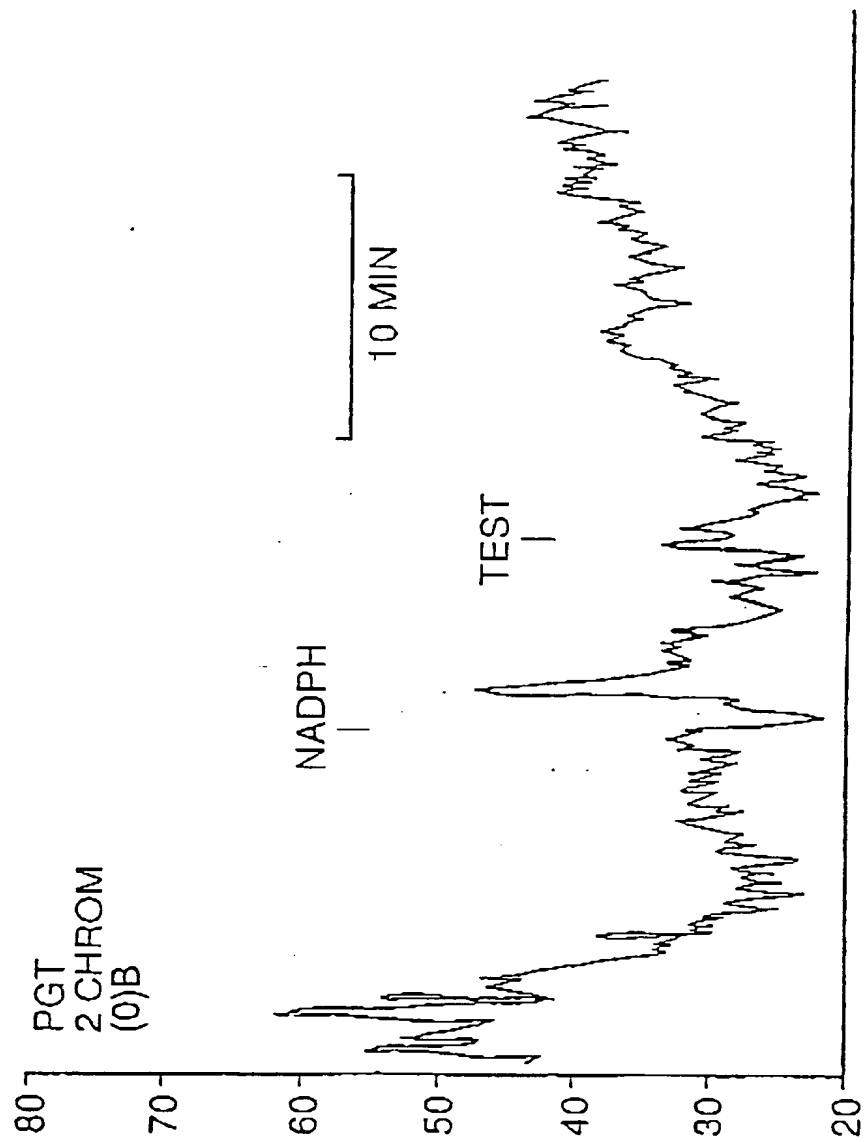


FIG.5.

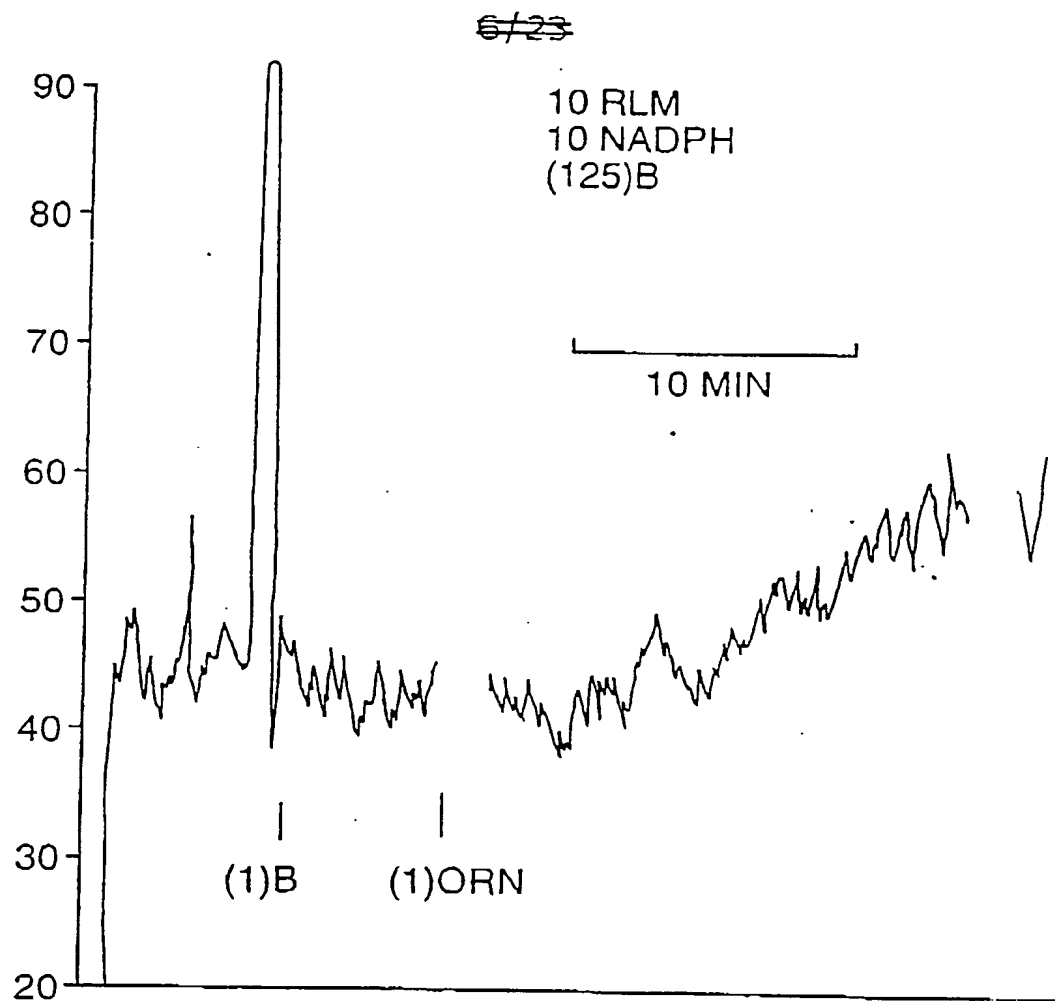


FIG.6.

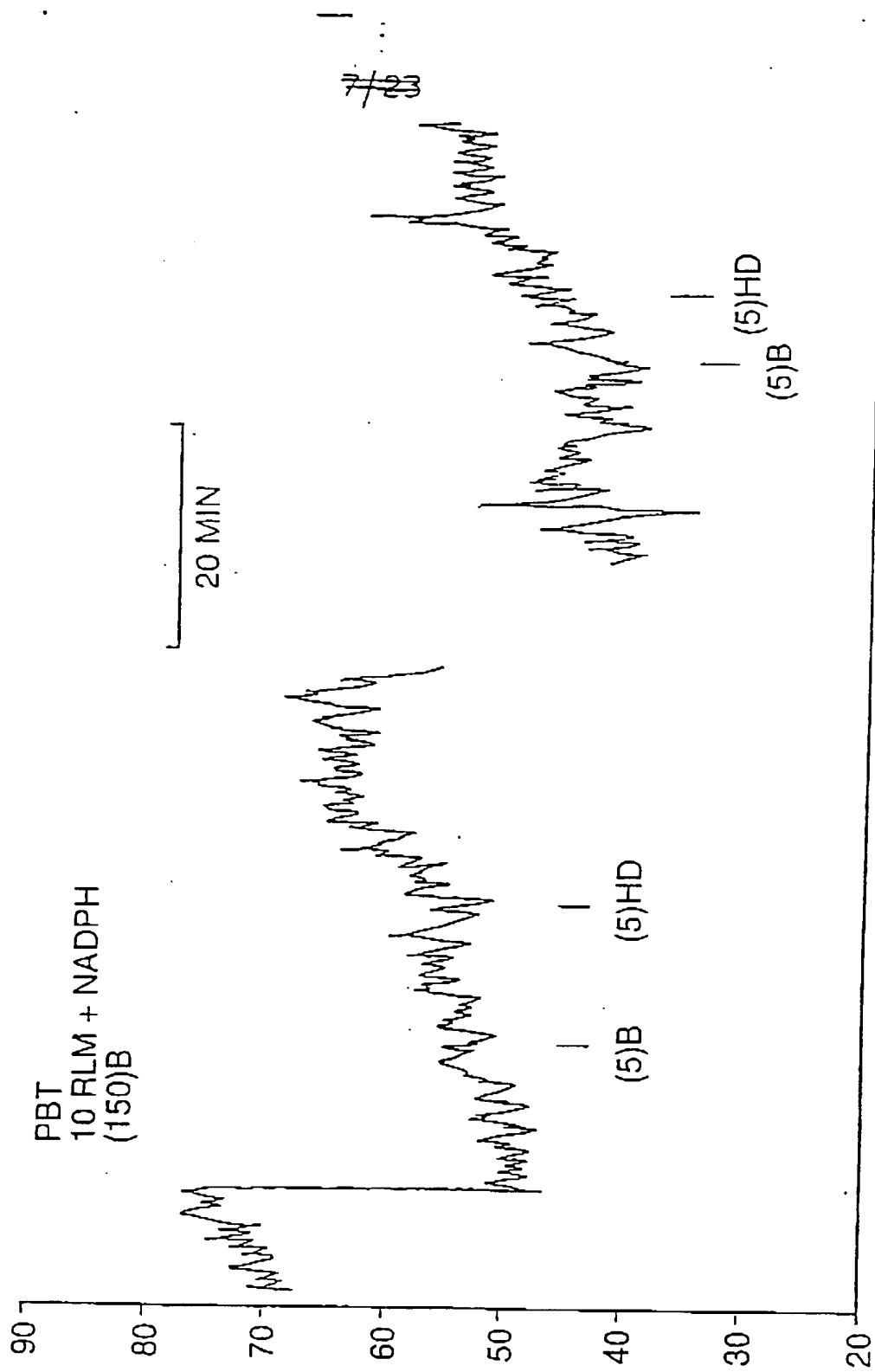


FIG.7.

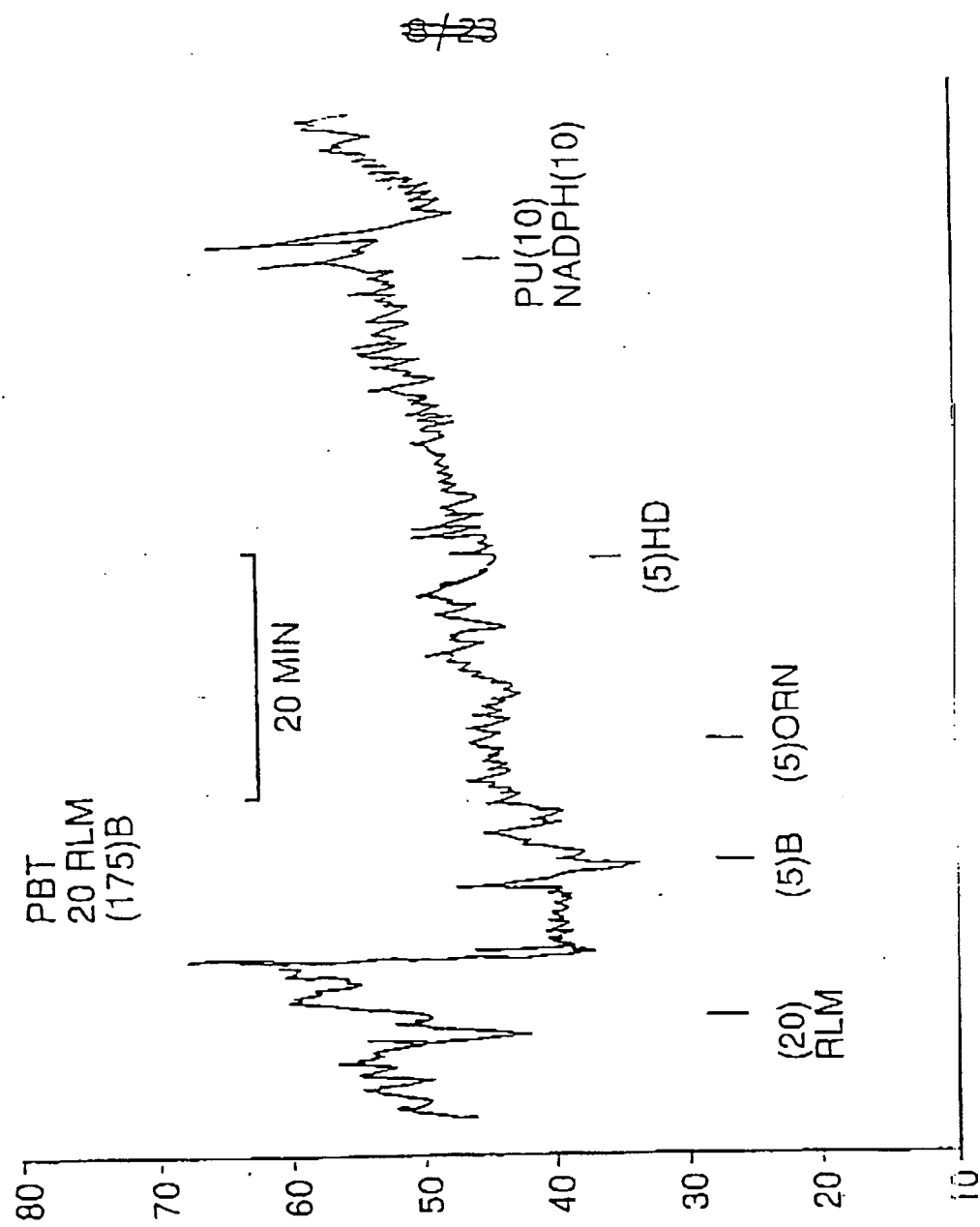


FIG.8.

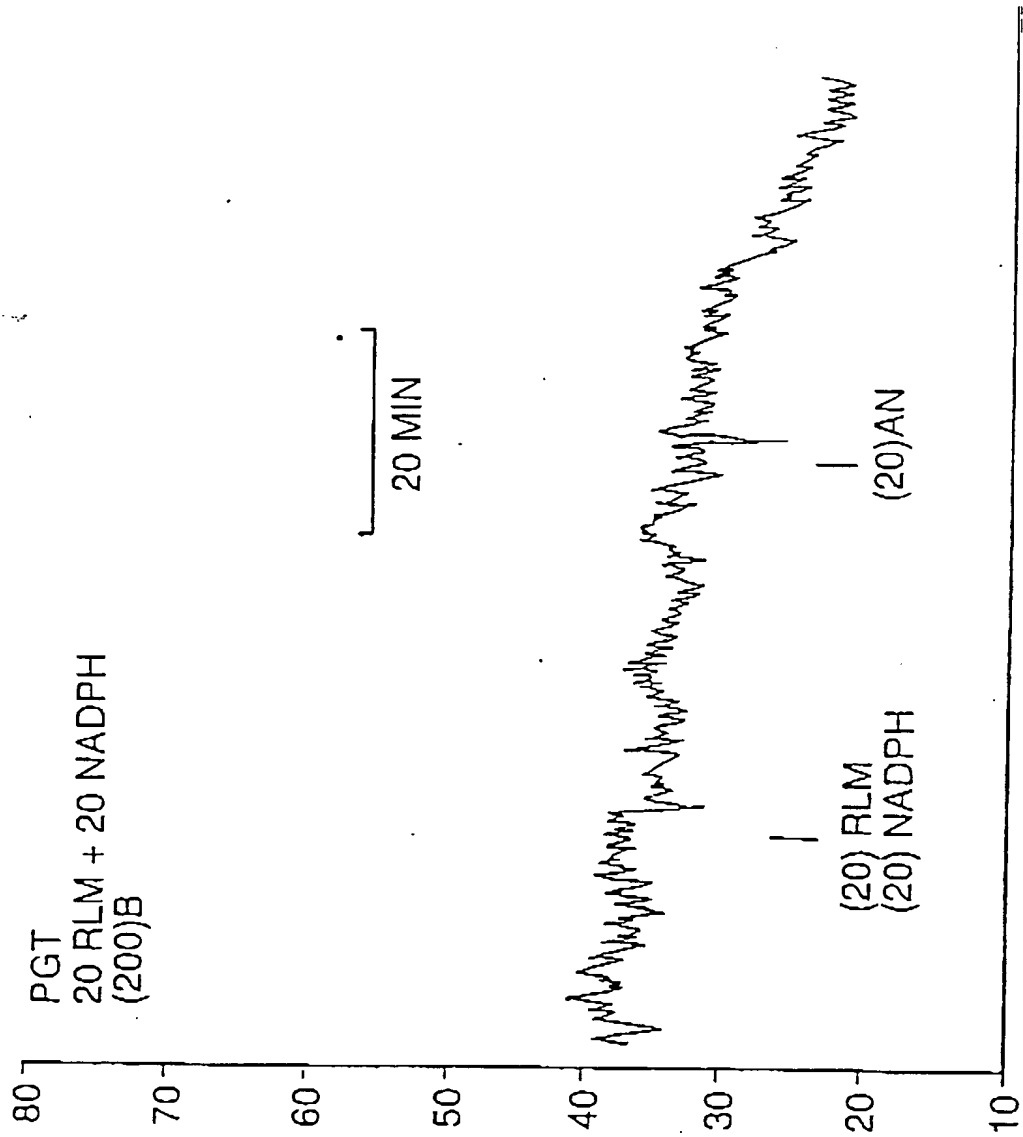


FIG.9.

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5.1

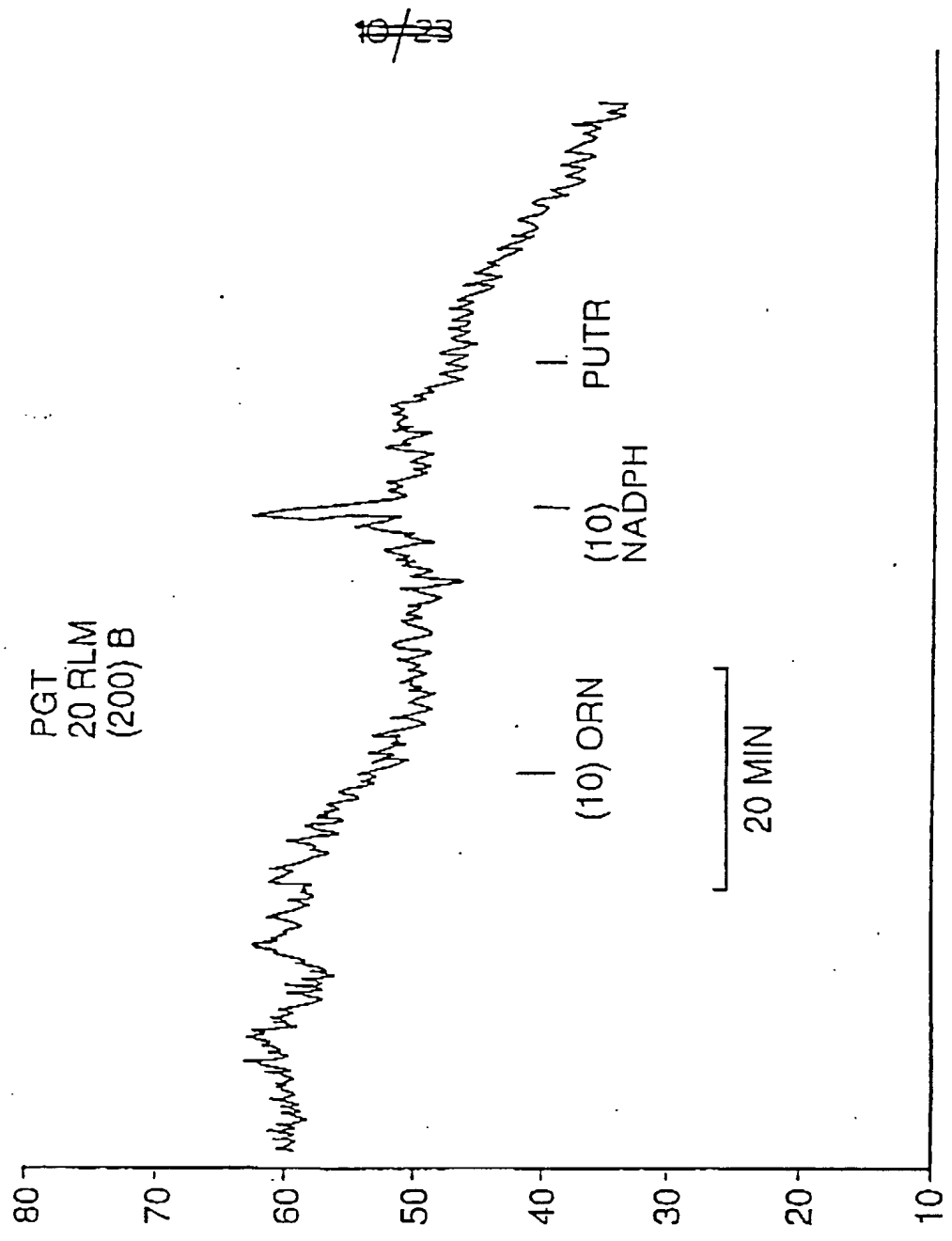


FIG.10.

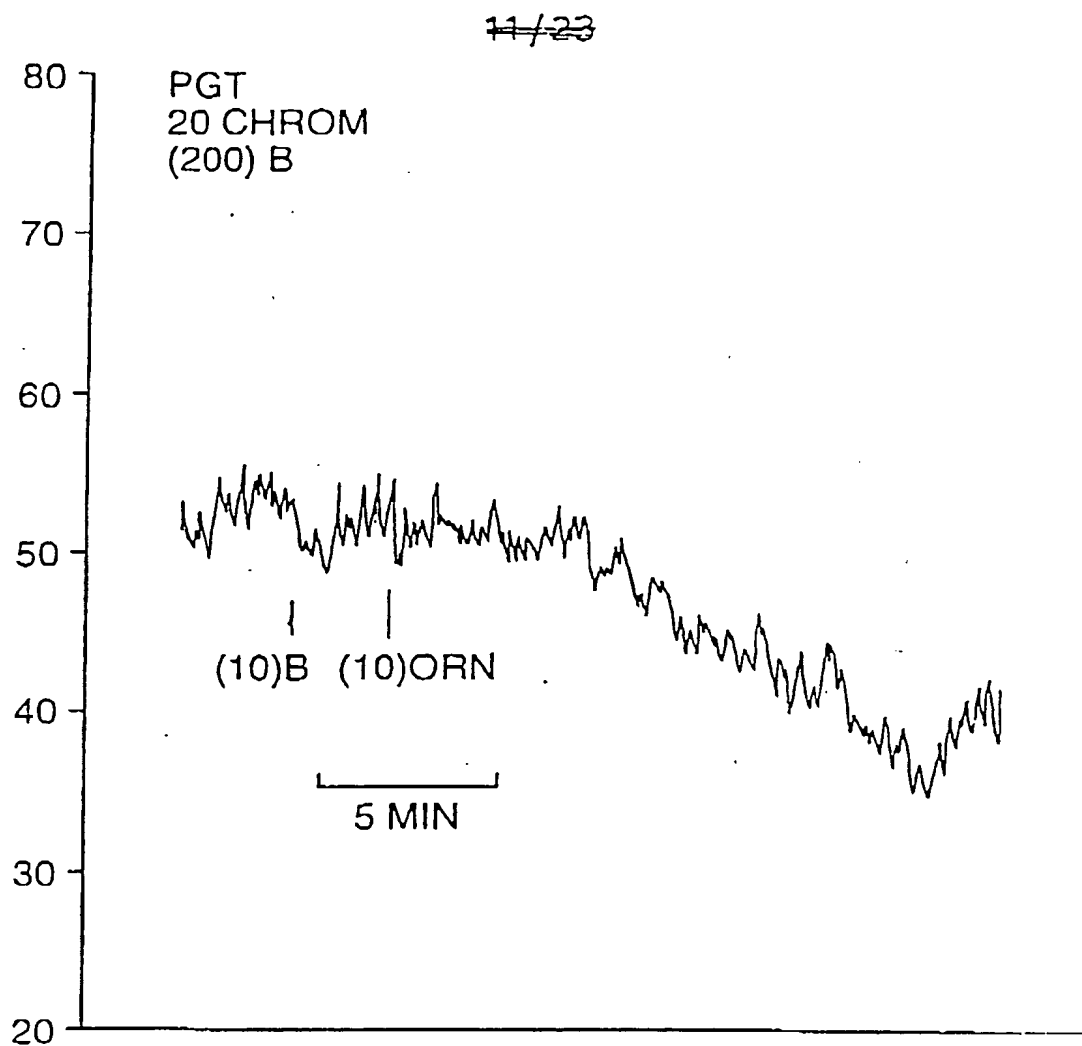


FIG.11.

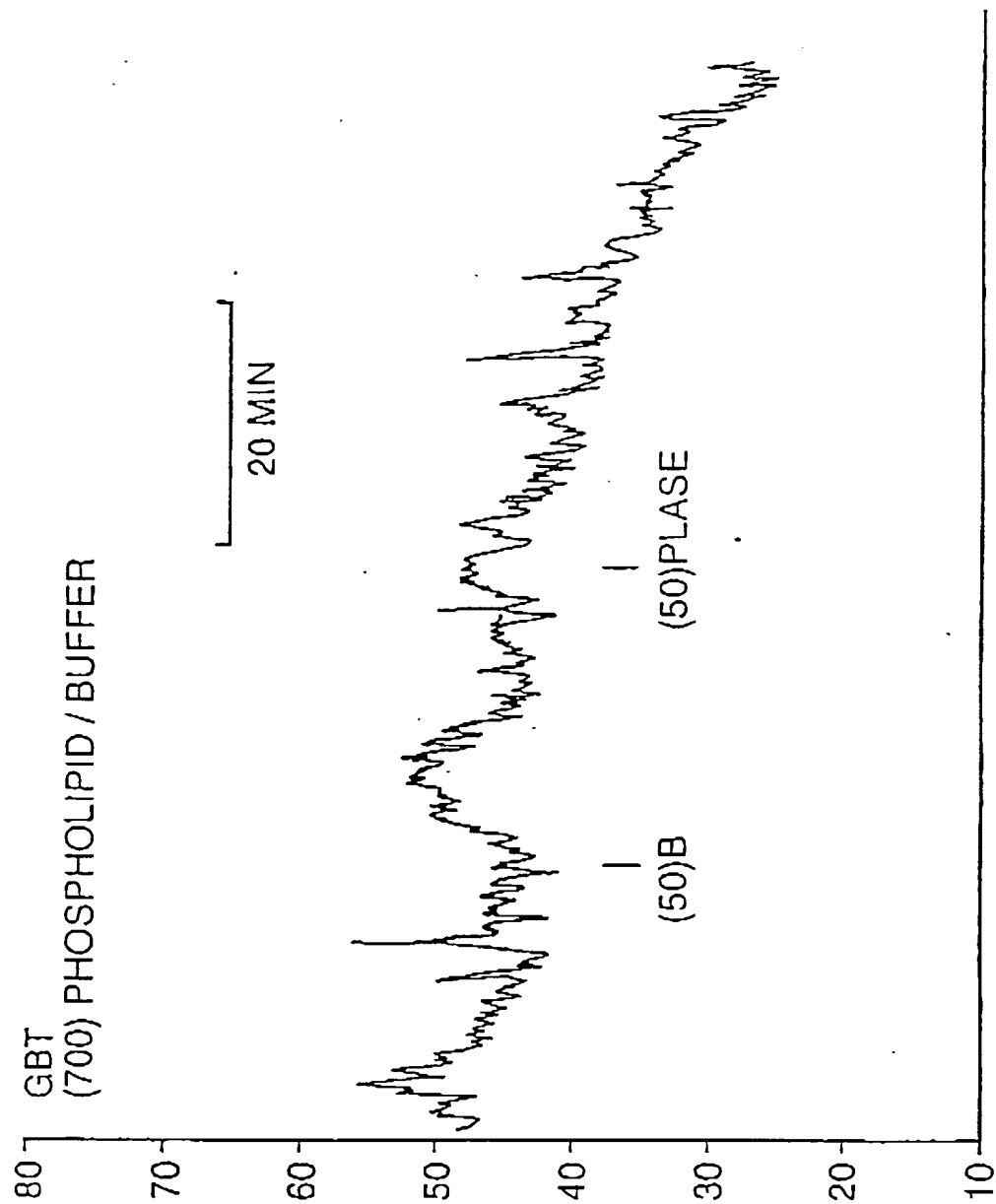


FIG.12.

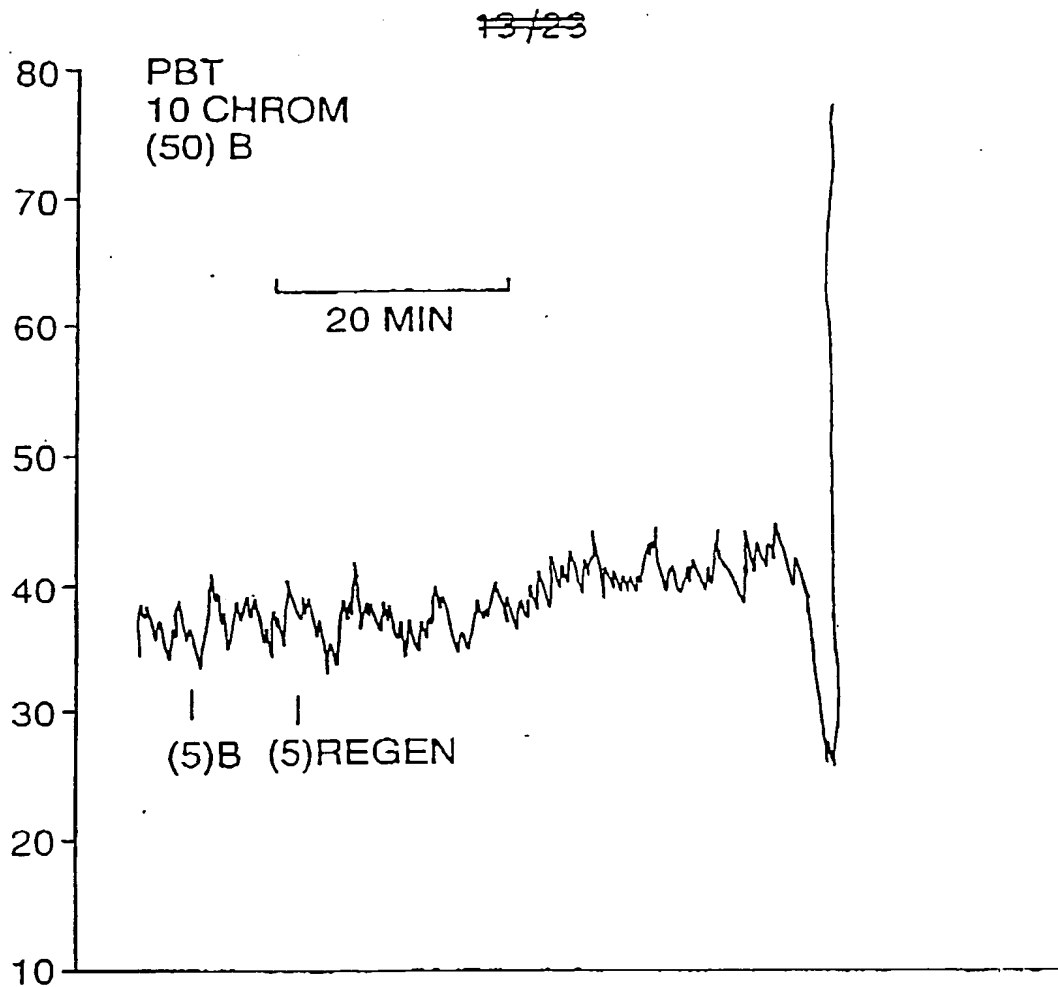


FIG.13.

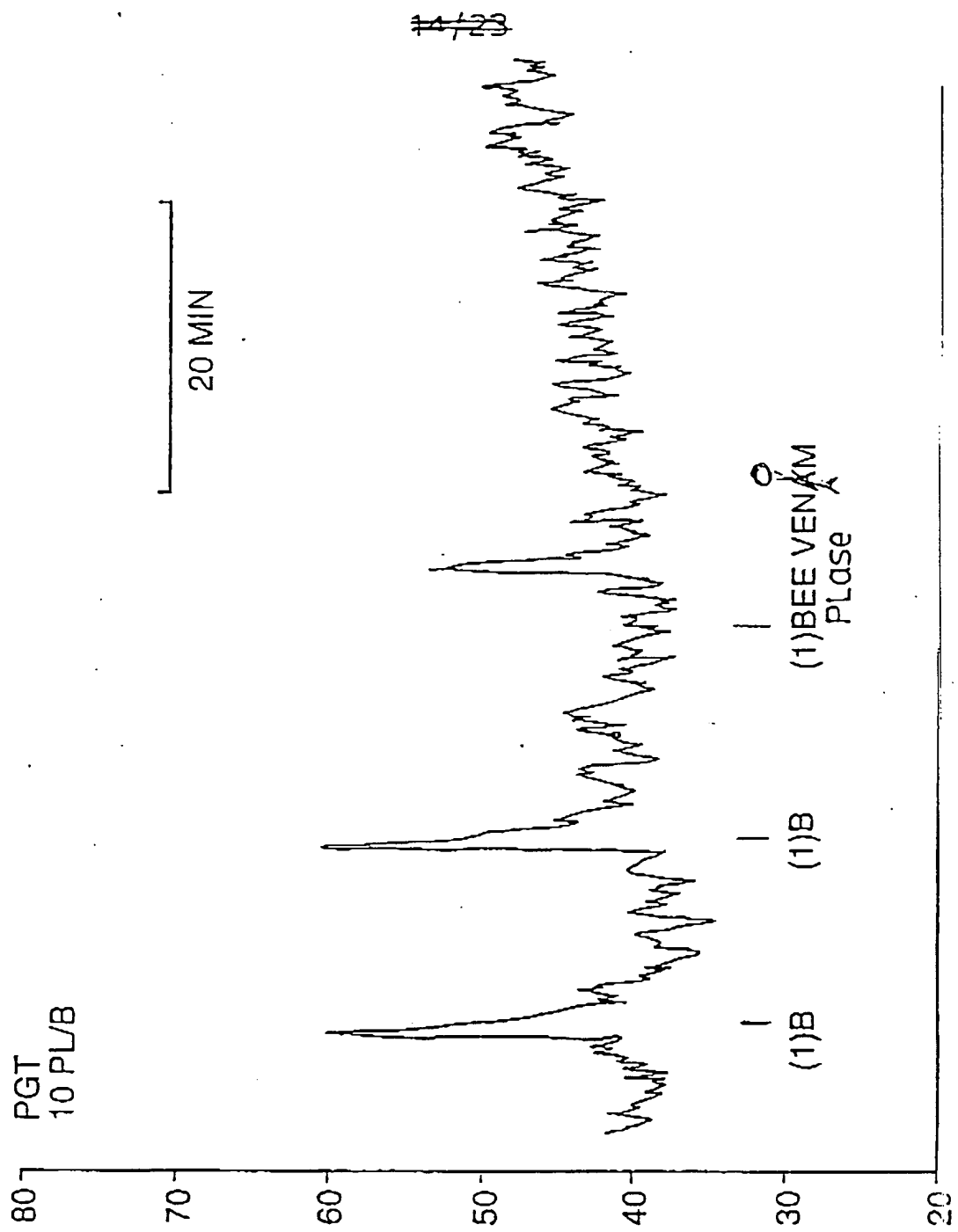


FIG.14.

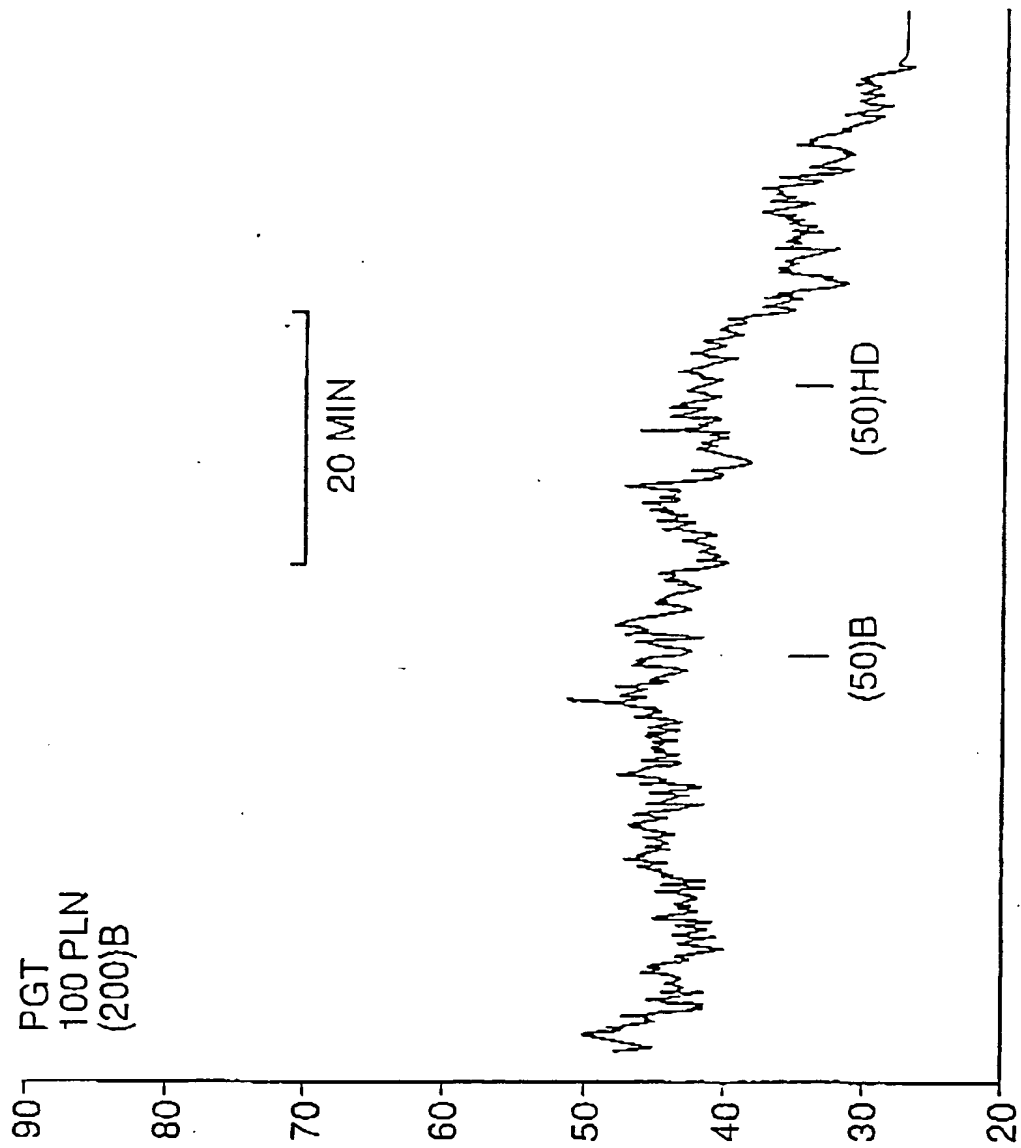


FIG.15.

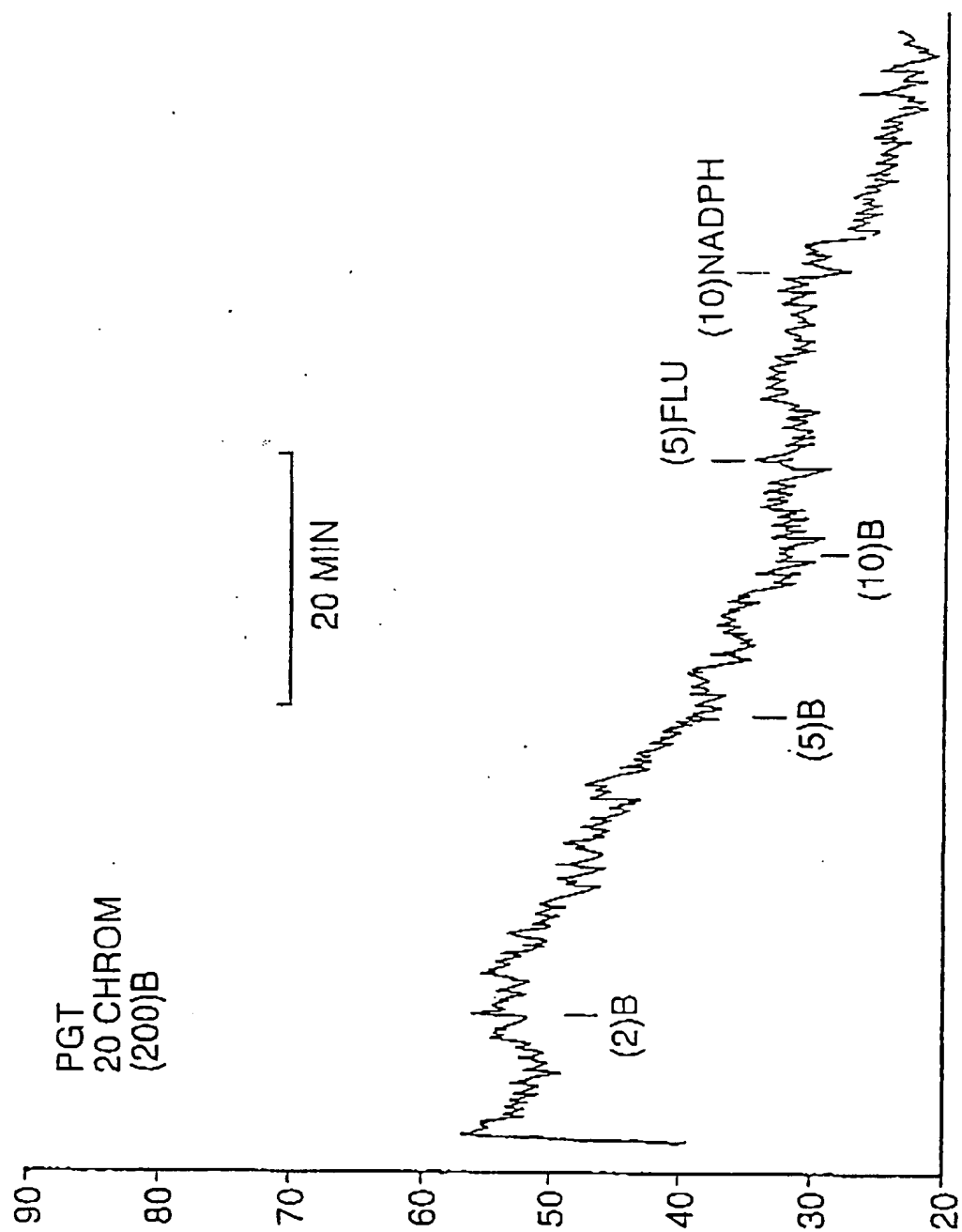


FIG.16.

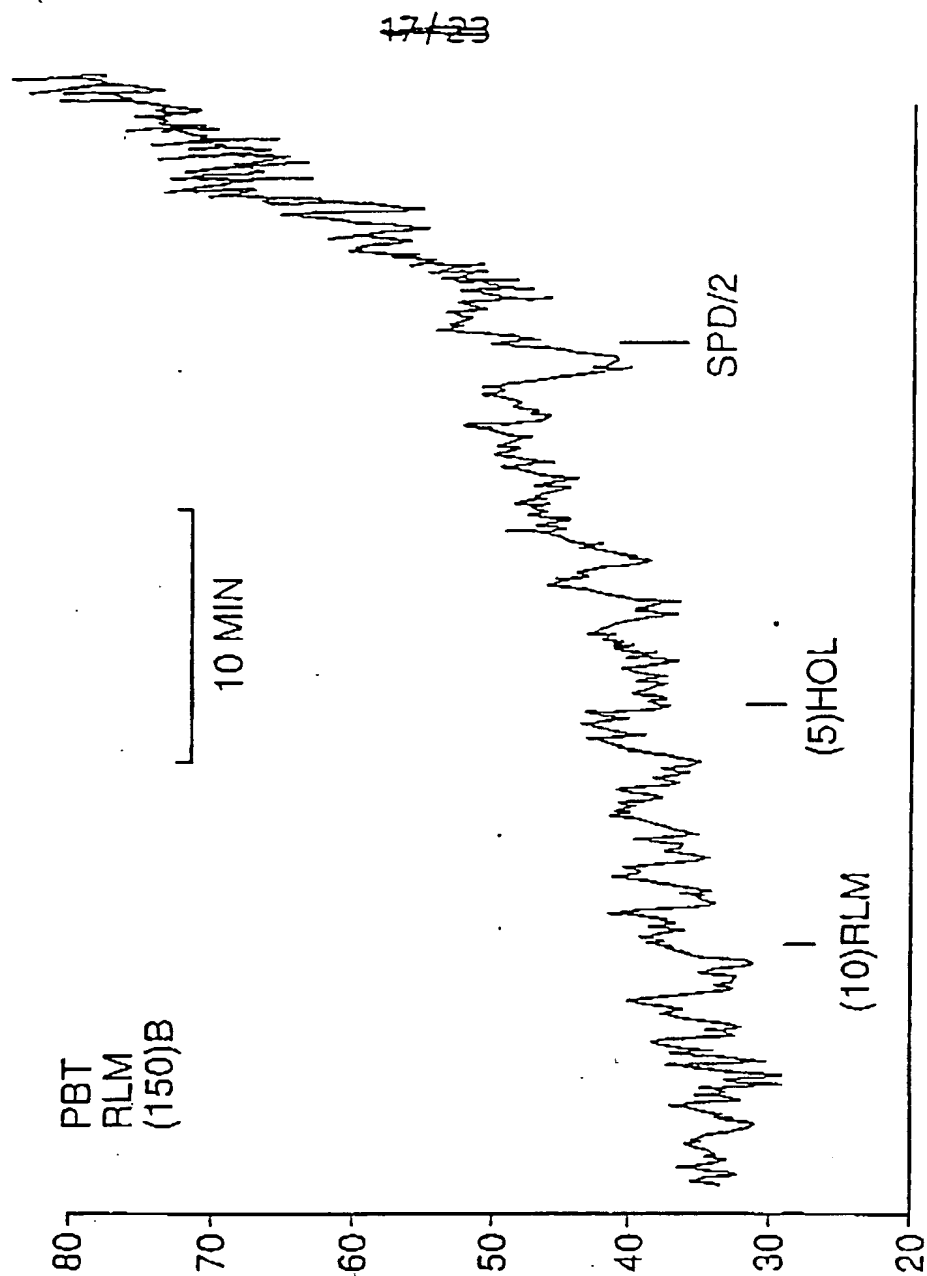


FIG.17.

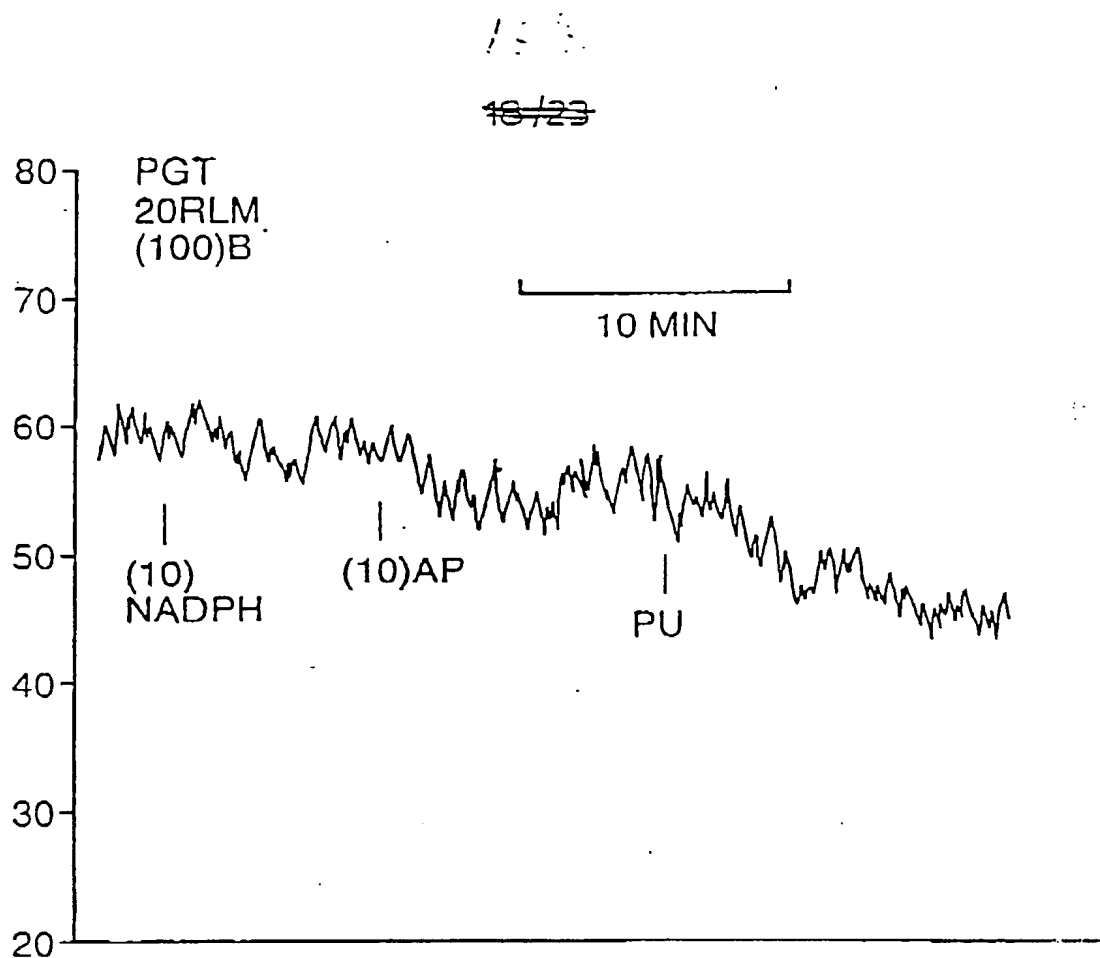


FIG.18.

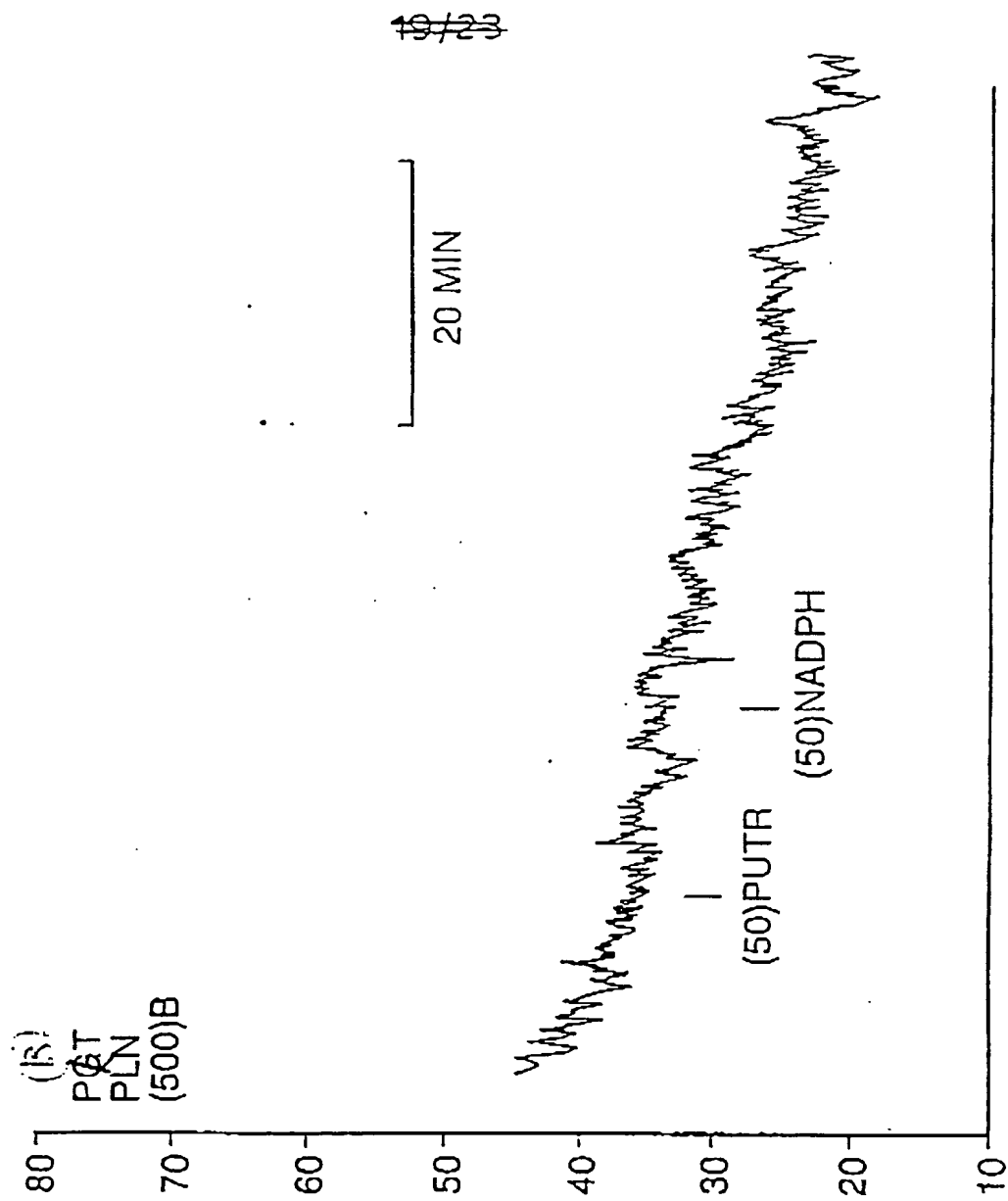


FIG.19.

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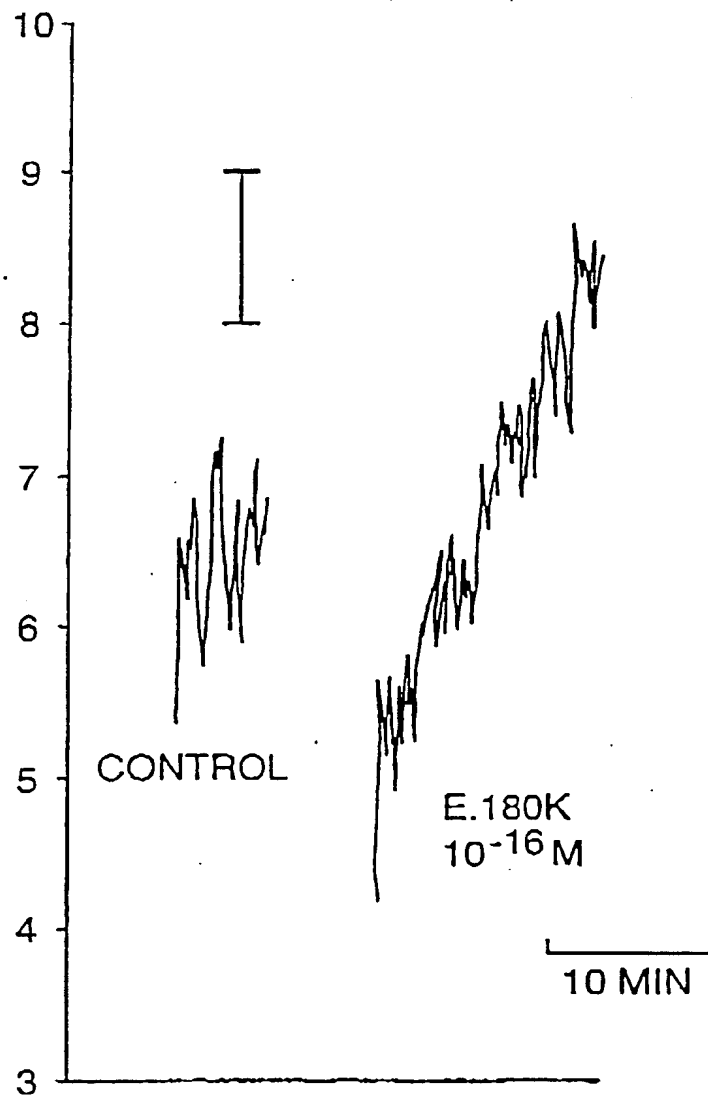


FIG.20.

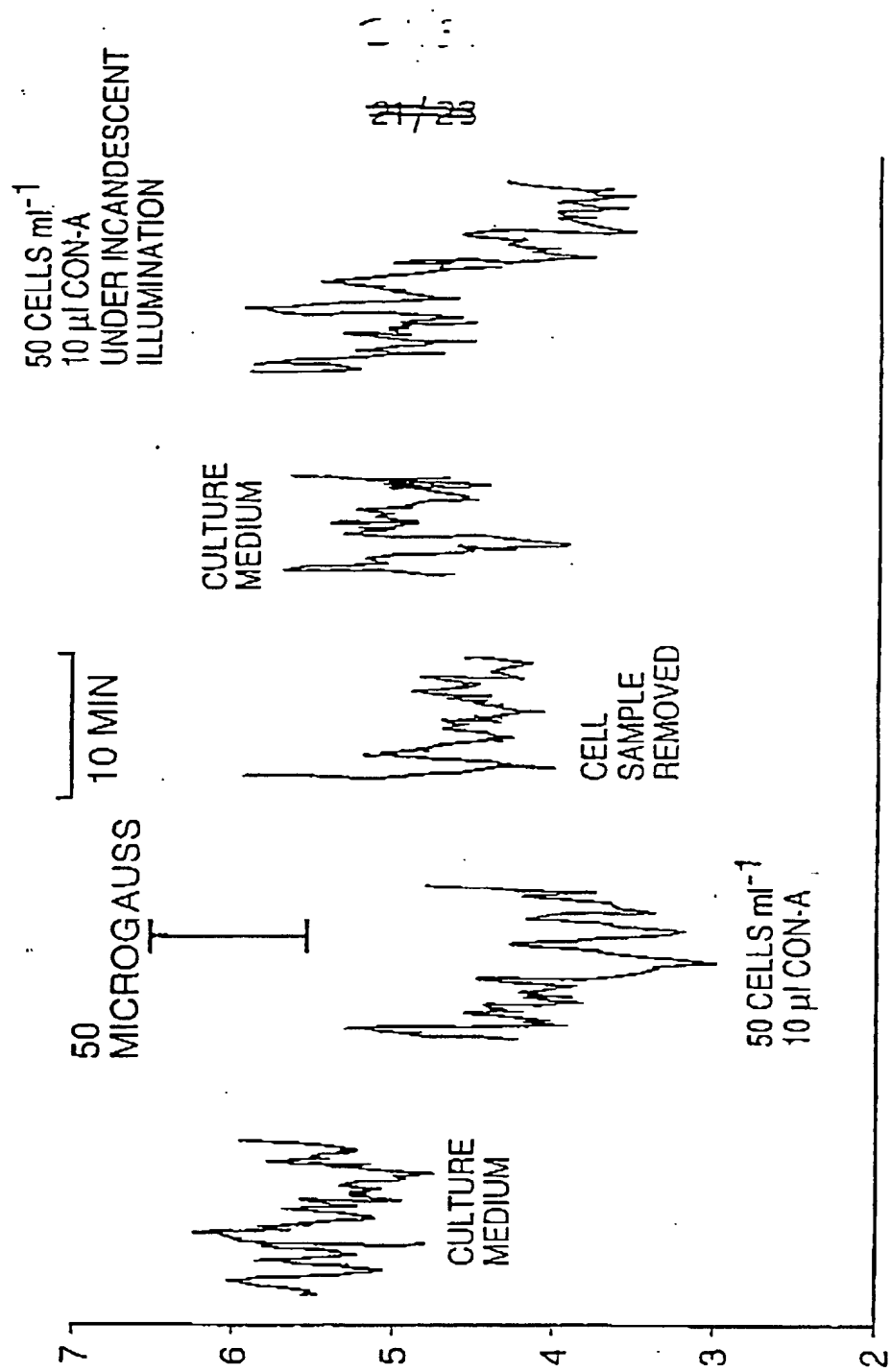


FIG.21.

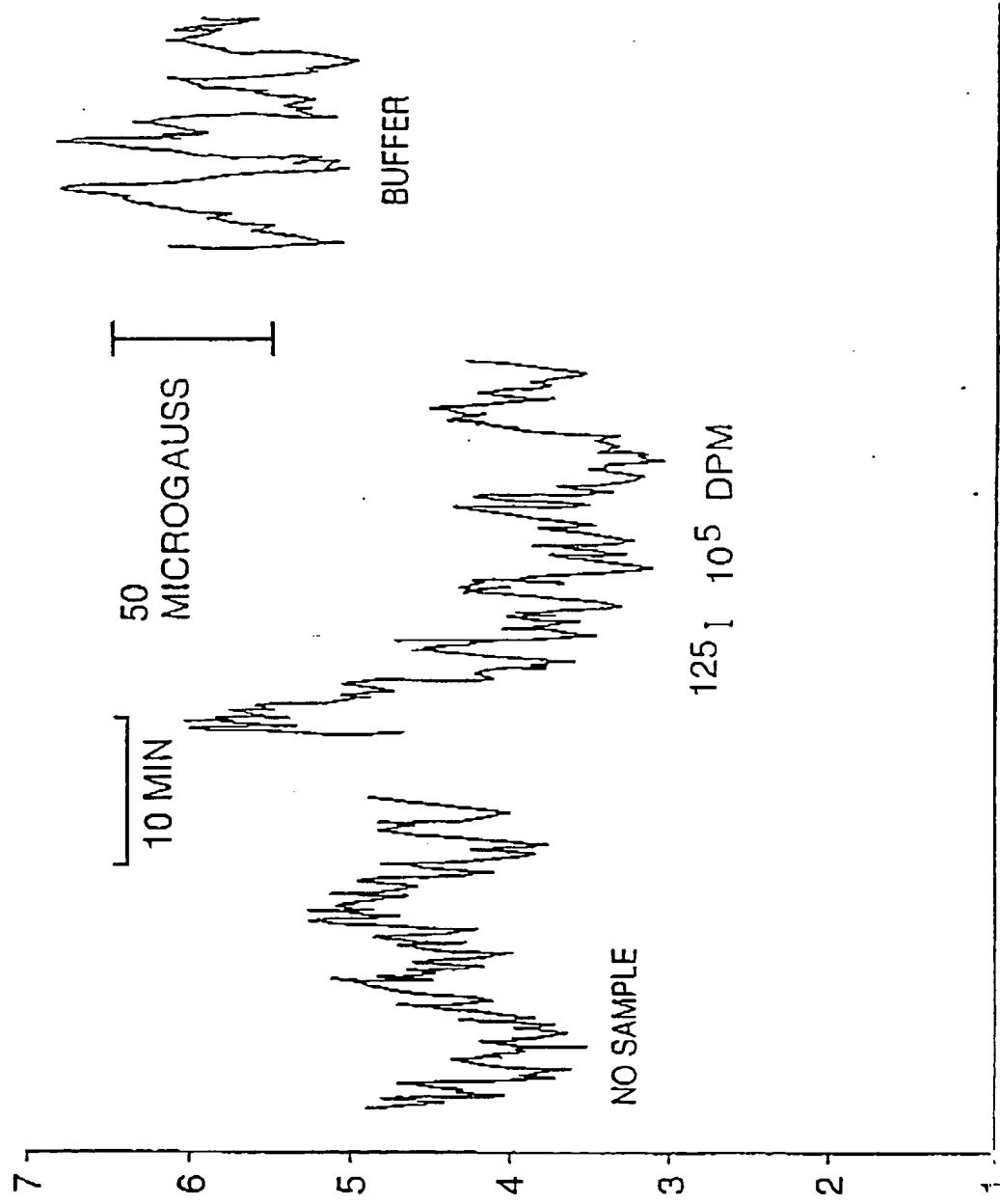


FIG.22.

23/23
~~23/23~~

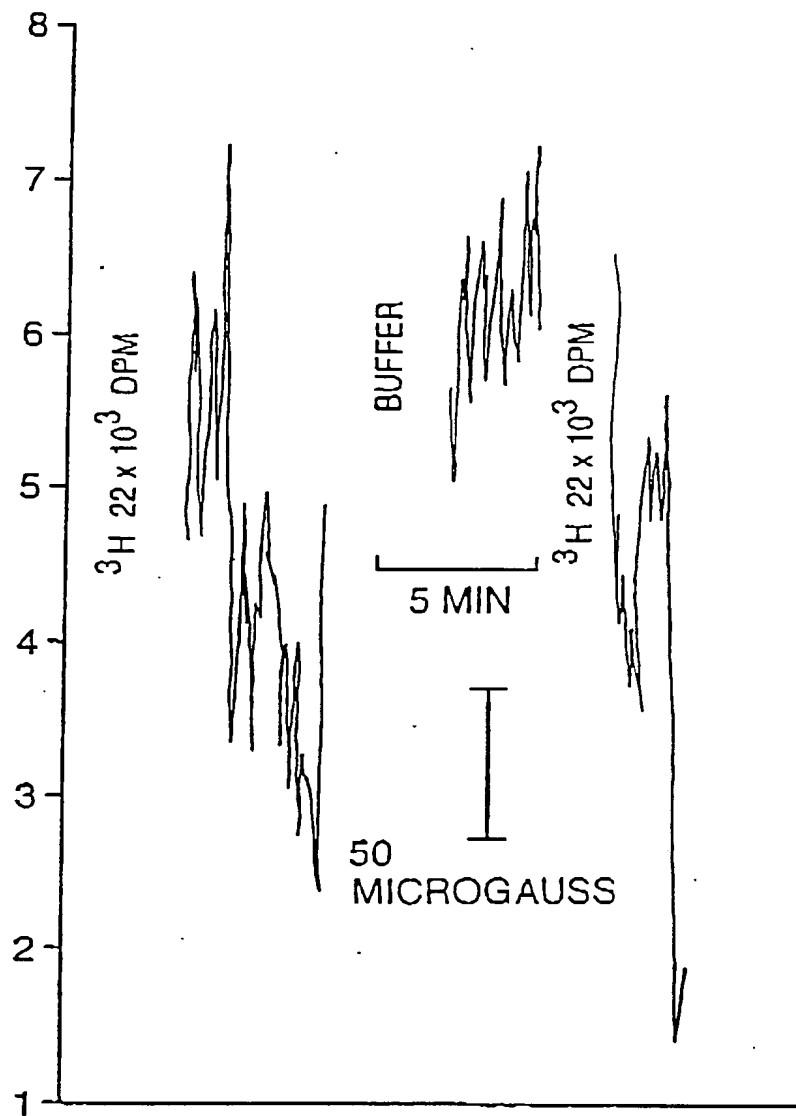
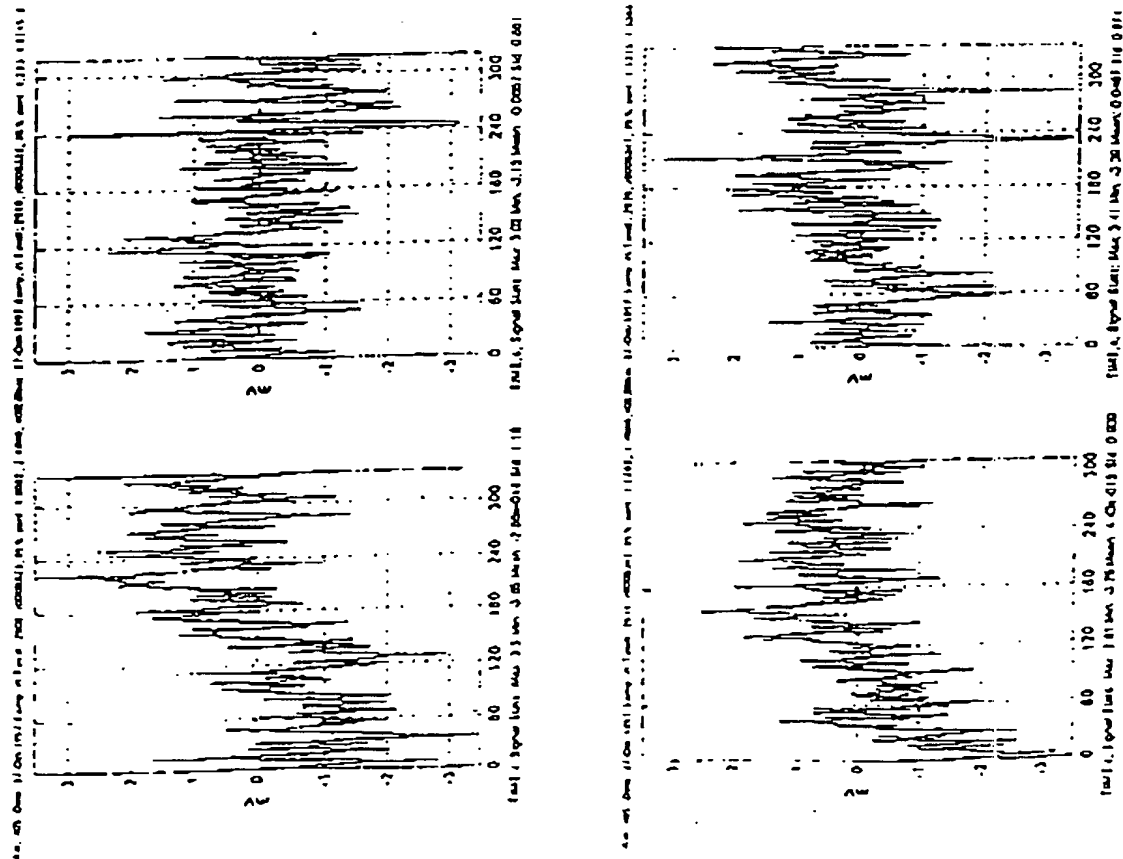


FIG.23.

FIGURE 4 24

Pour individual runs with hydrazine



Pour individual runs with a control bottle

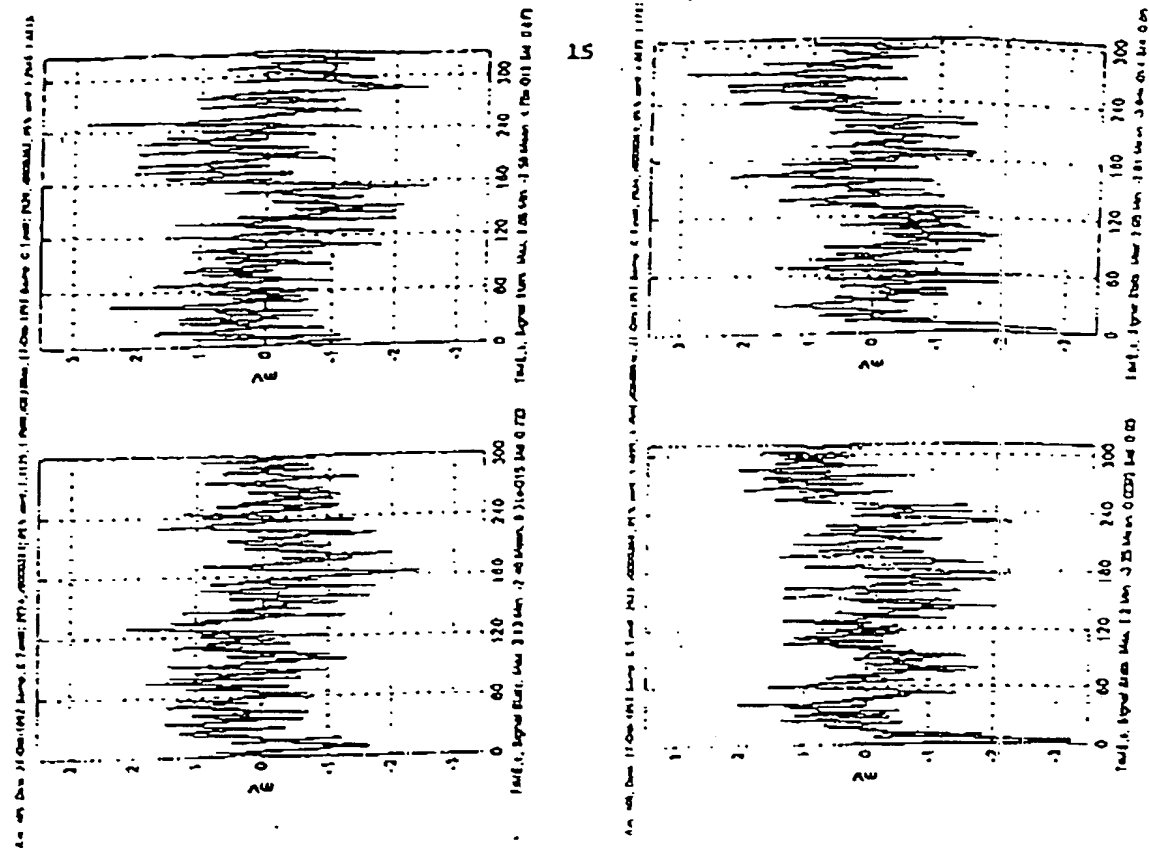


FIGURE 25

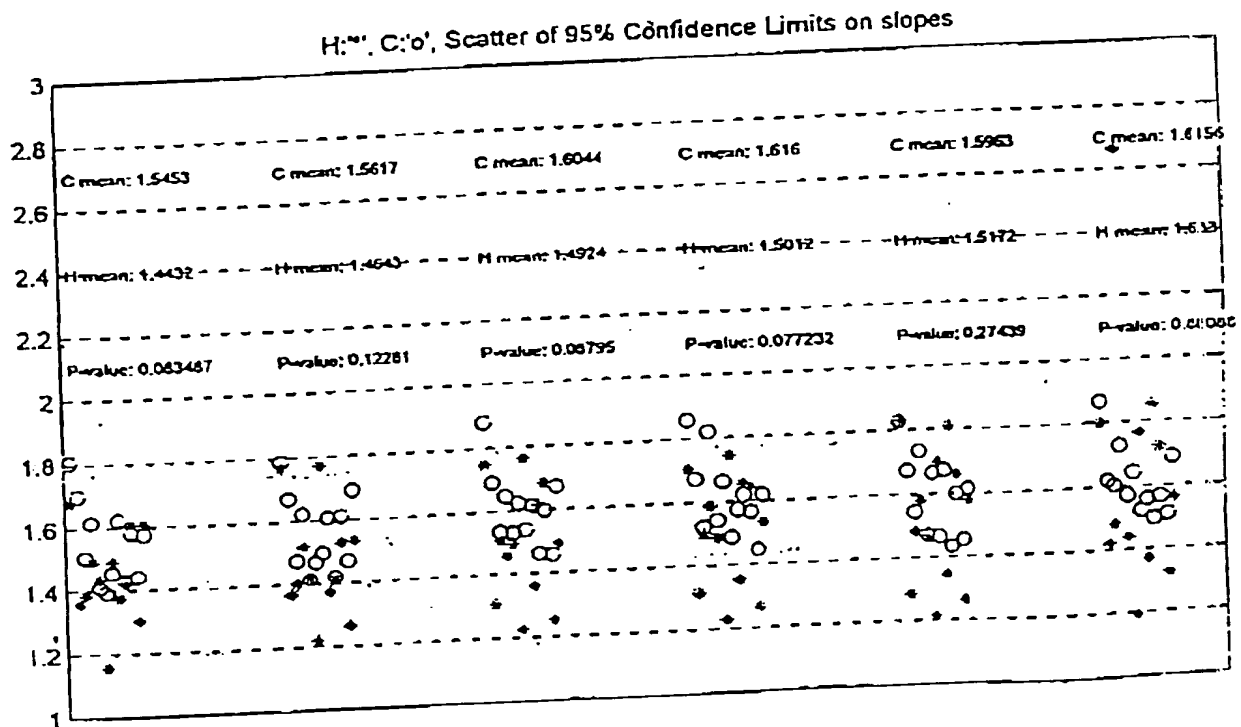
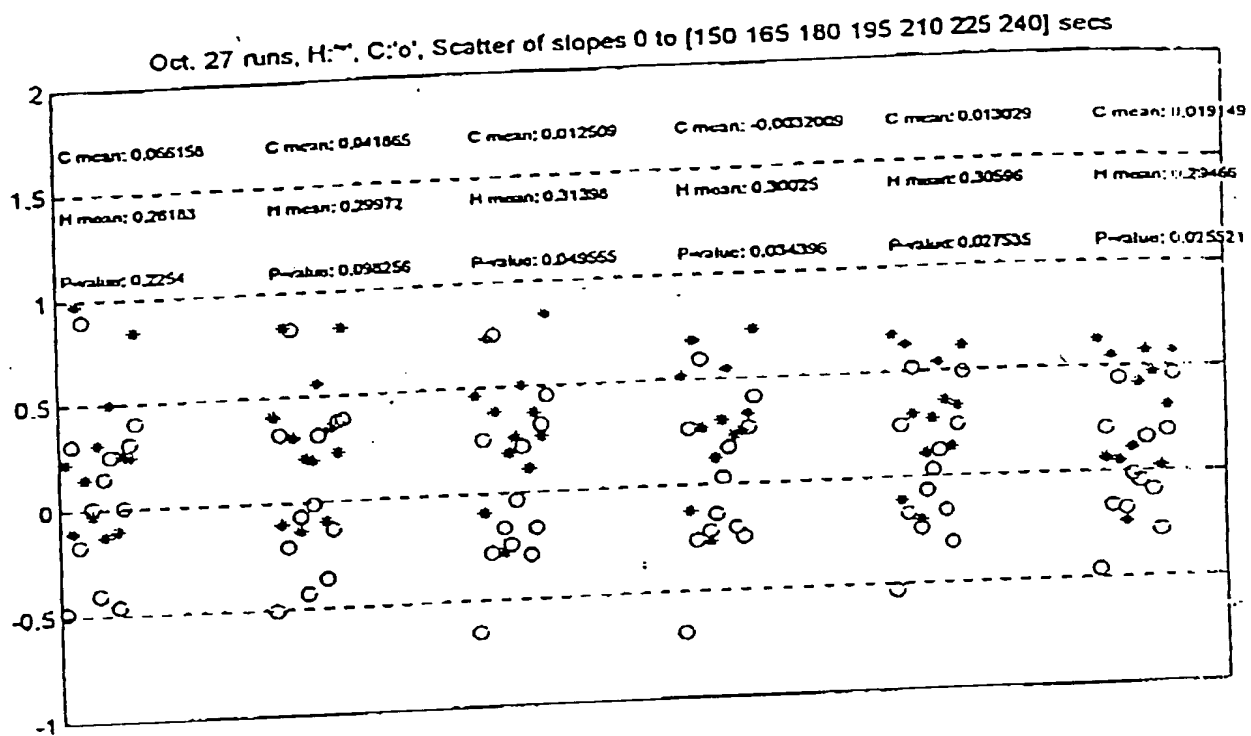


FIGURE 26

Hydrazine Sulfate Runs - June 11, 17 and 19

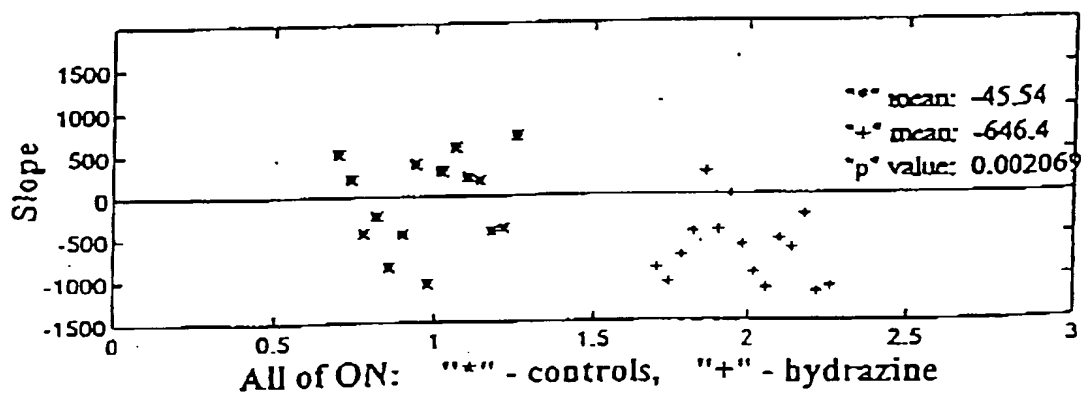
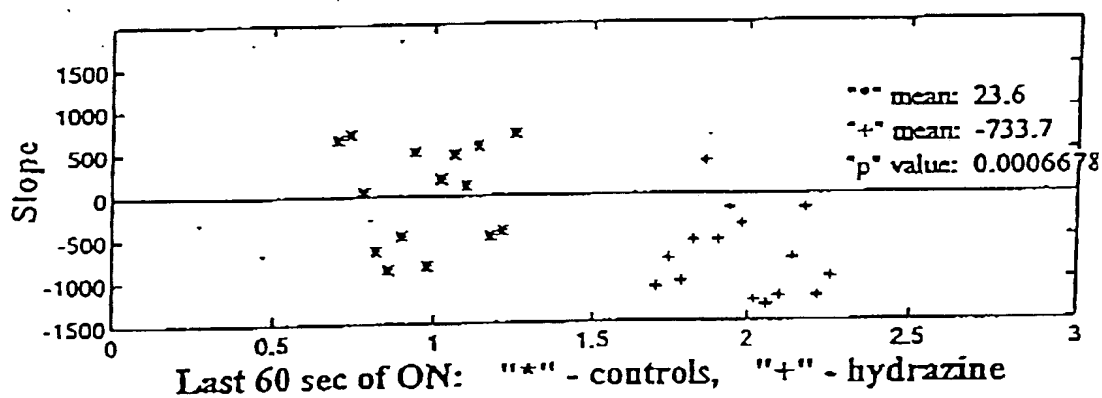
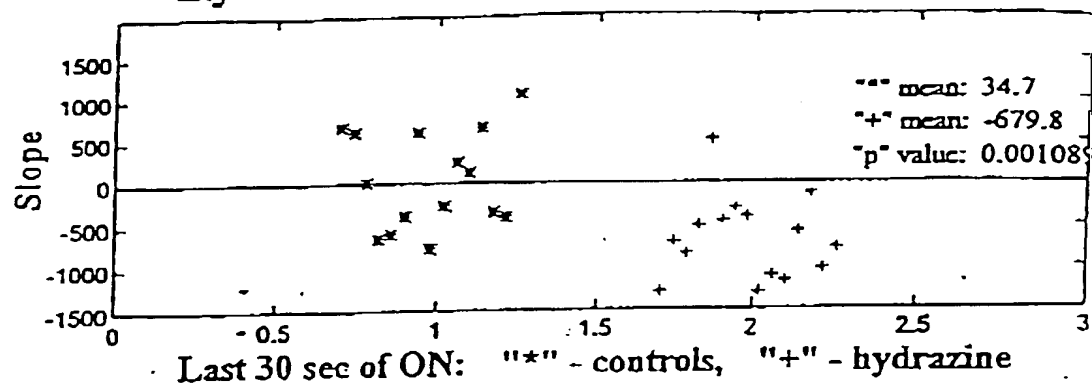
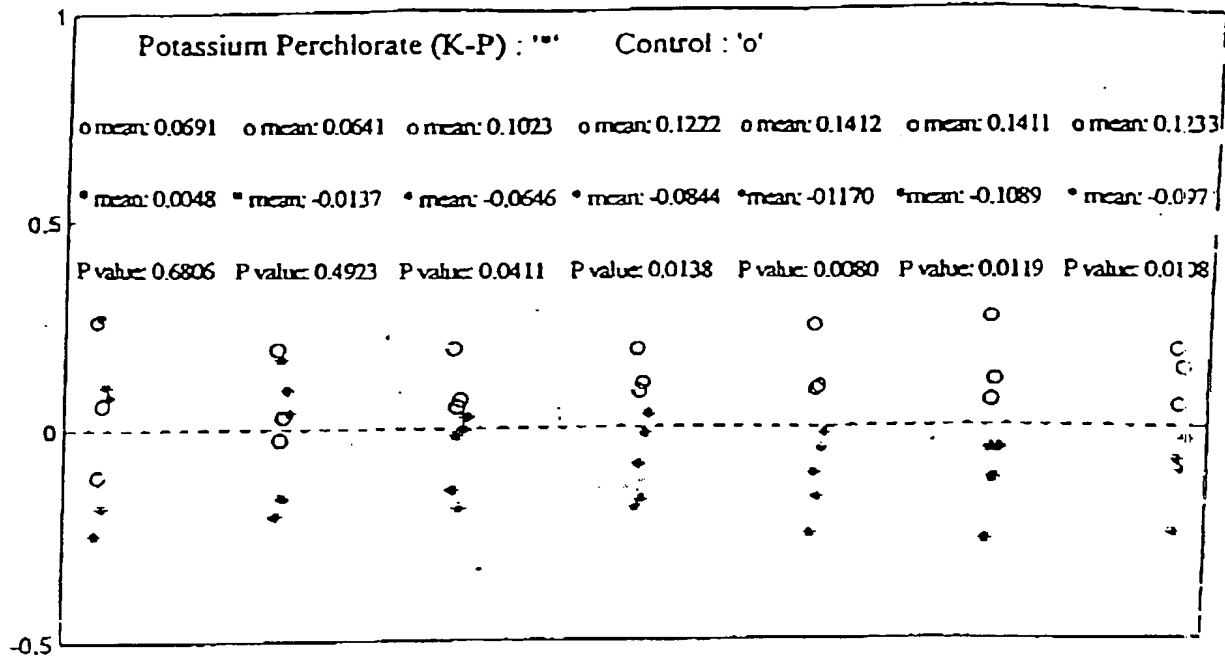


FIGURE 27

Nov.25 Rm324 runs, K-P: "o", C:"o", Scatter of slopes 0 to [150 165 180 195 210 225 240] secs



K-P: "o", C: "o", Scatter of 95% Confidence Limits on slopes

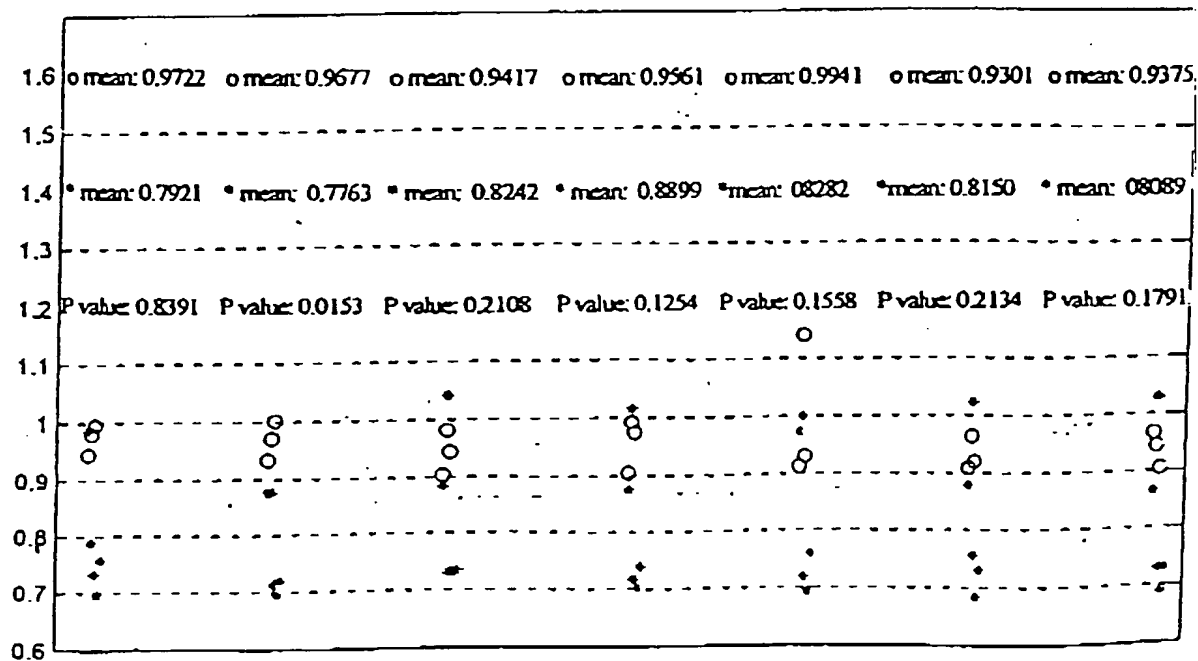


FIGURE 28

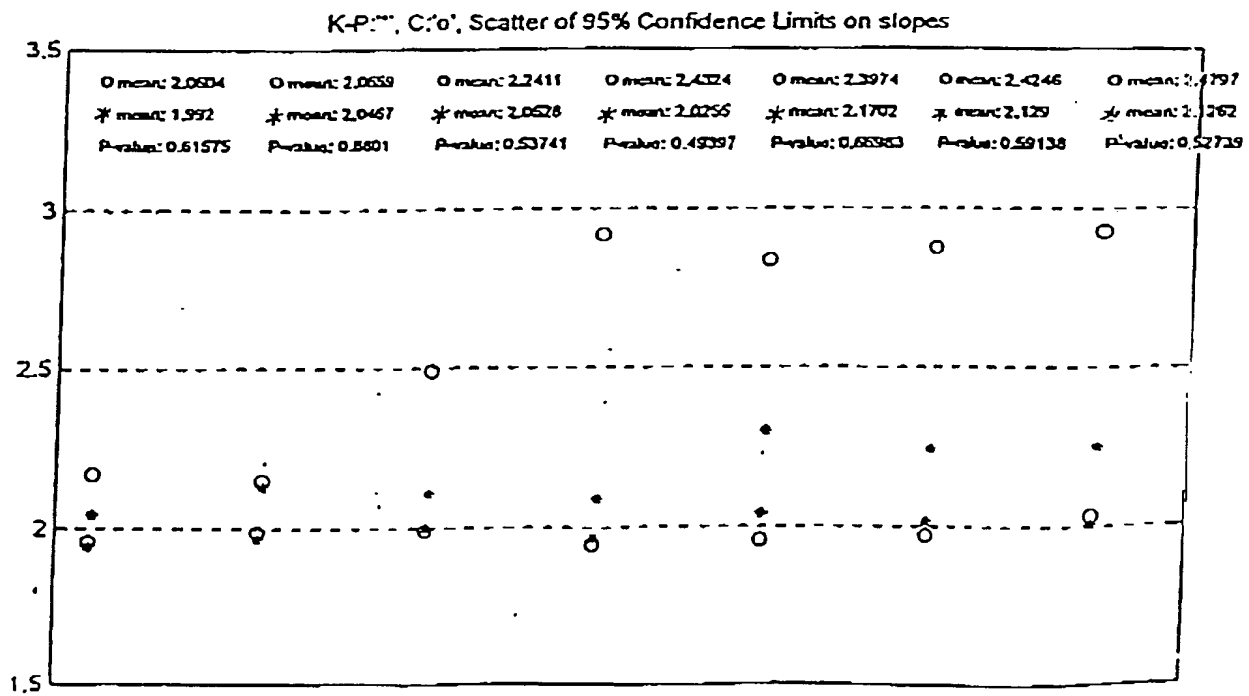
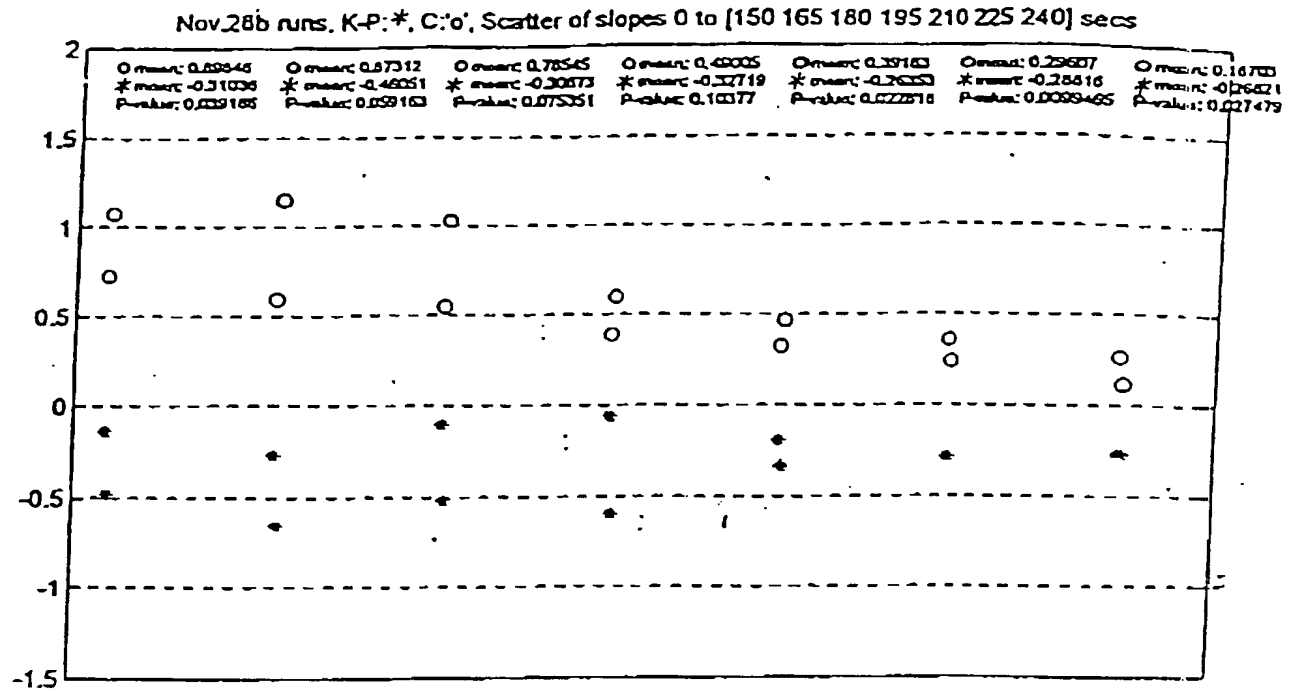
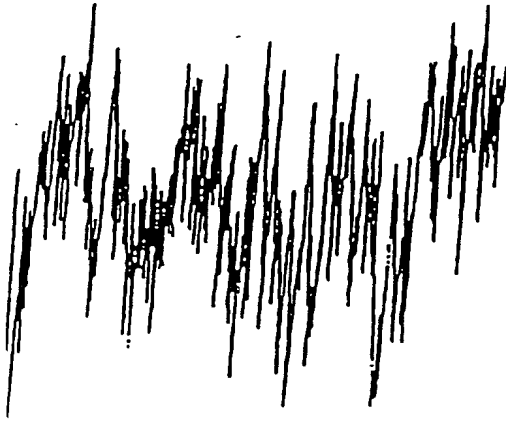


FIGURE 19

(A)
COMPUTER-GENERATED
FACSIMILE OF CHART
RECORDING

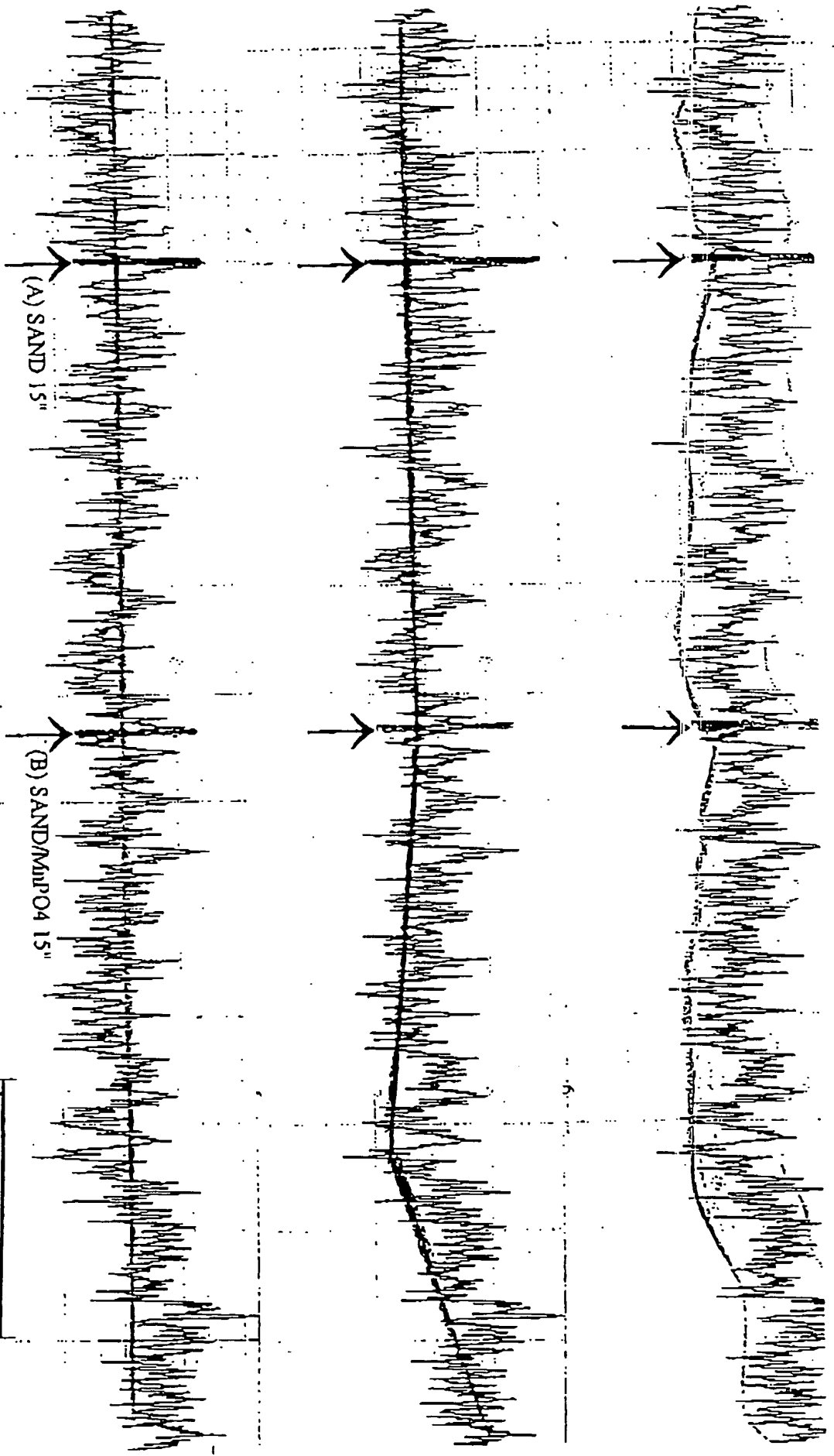


(B)
ELIMINATION OF DENSITIES
BELOW AN ARBITRARY
THRESHOLD. SHOWN ON
COMPUTER SCREEN
FACSIMILE OF CHART
RECORDING

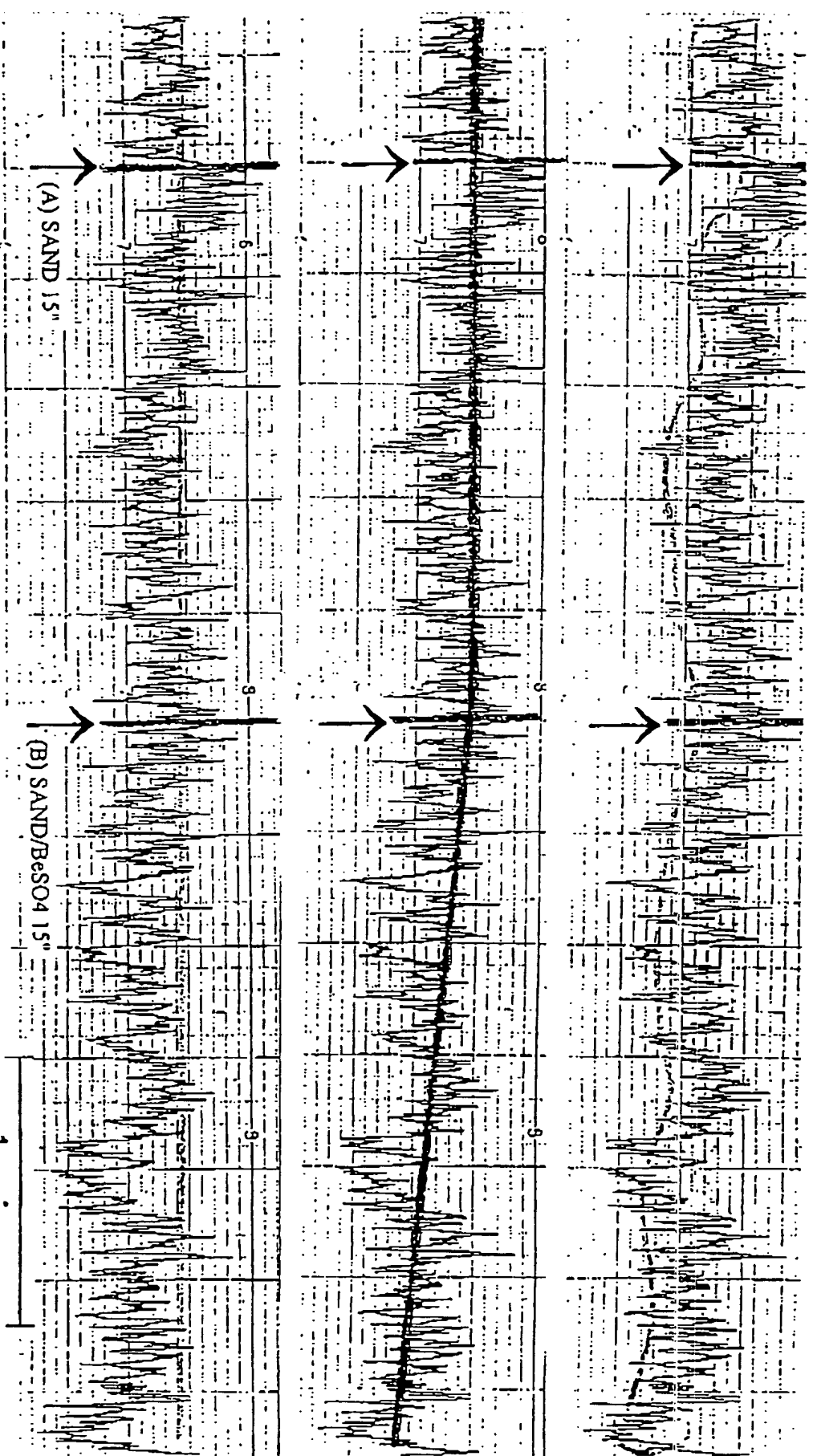


REPRESENTATIVE CALCULATIONS

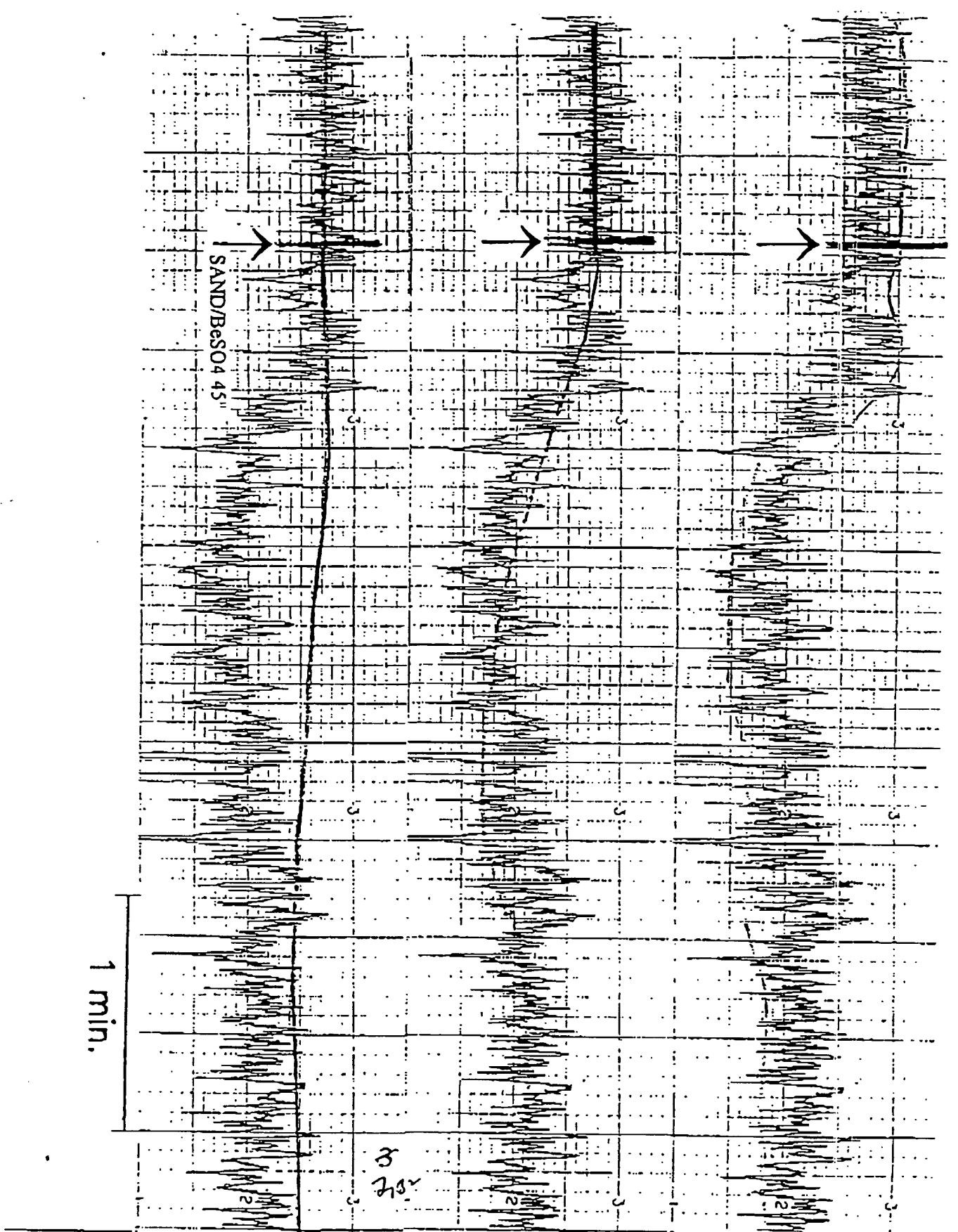
- * number of densities: 136
- * number of densities with areas > 70 units: 22
- * Total area of densities: 5709 units
- * Total area of densities > 70 units: 2559 units

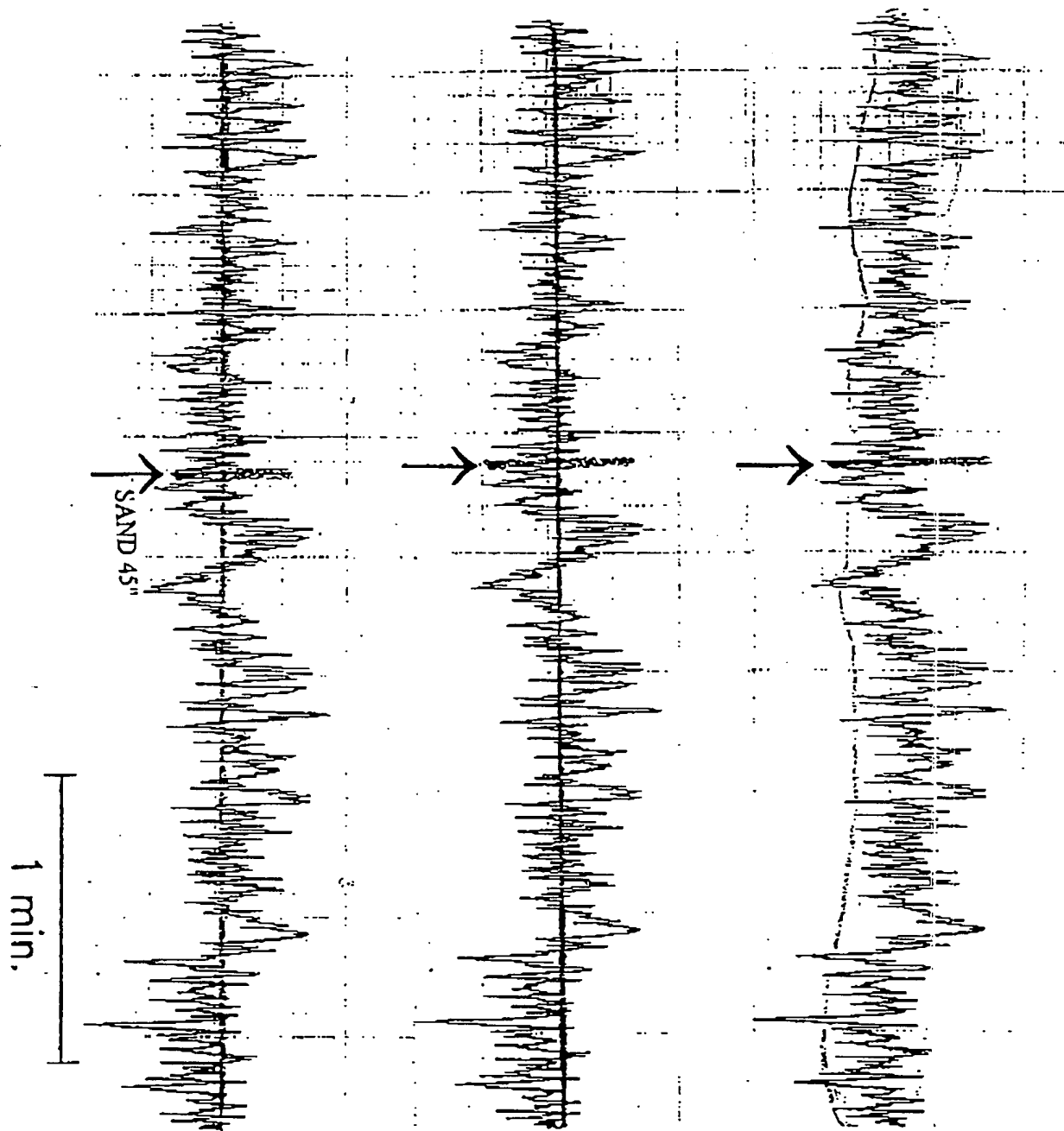


26+

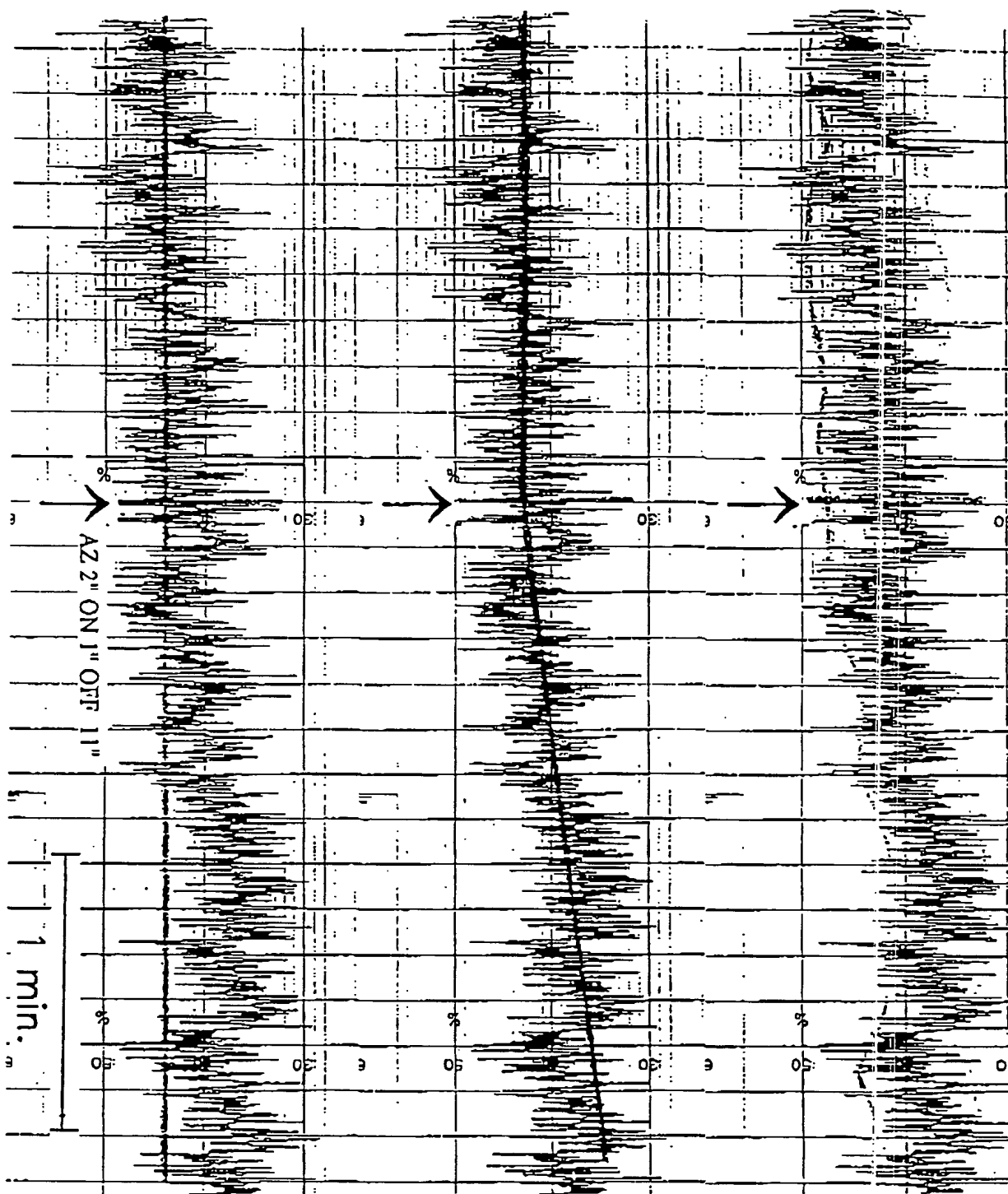


2512

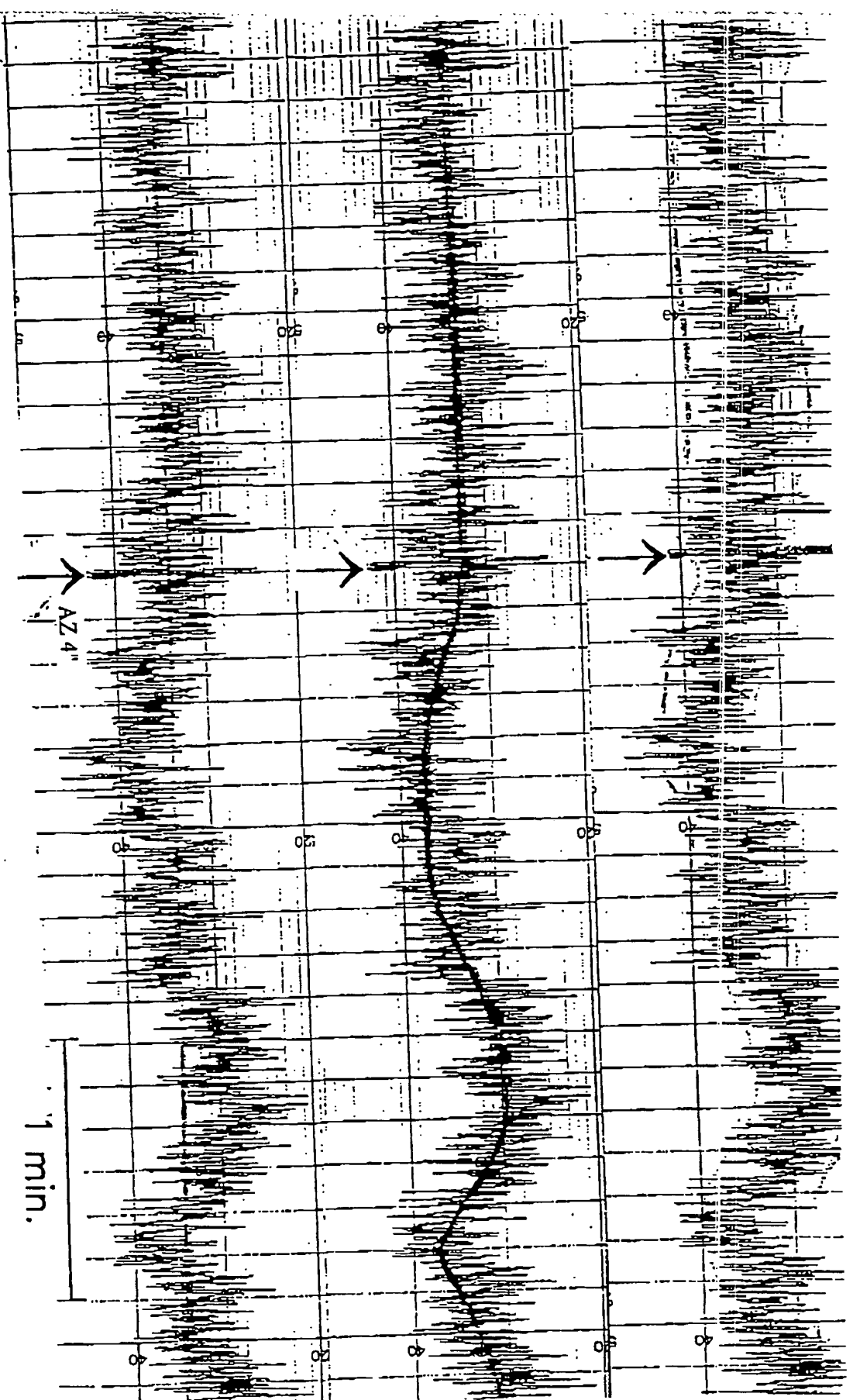




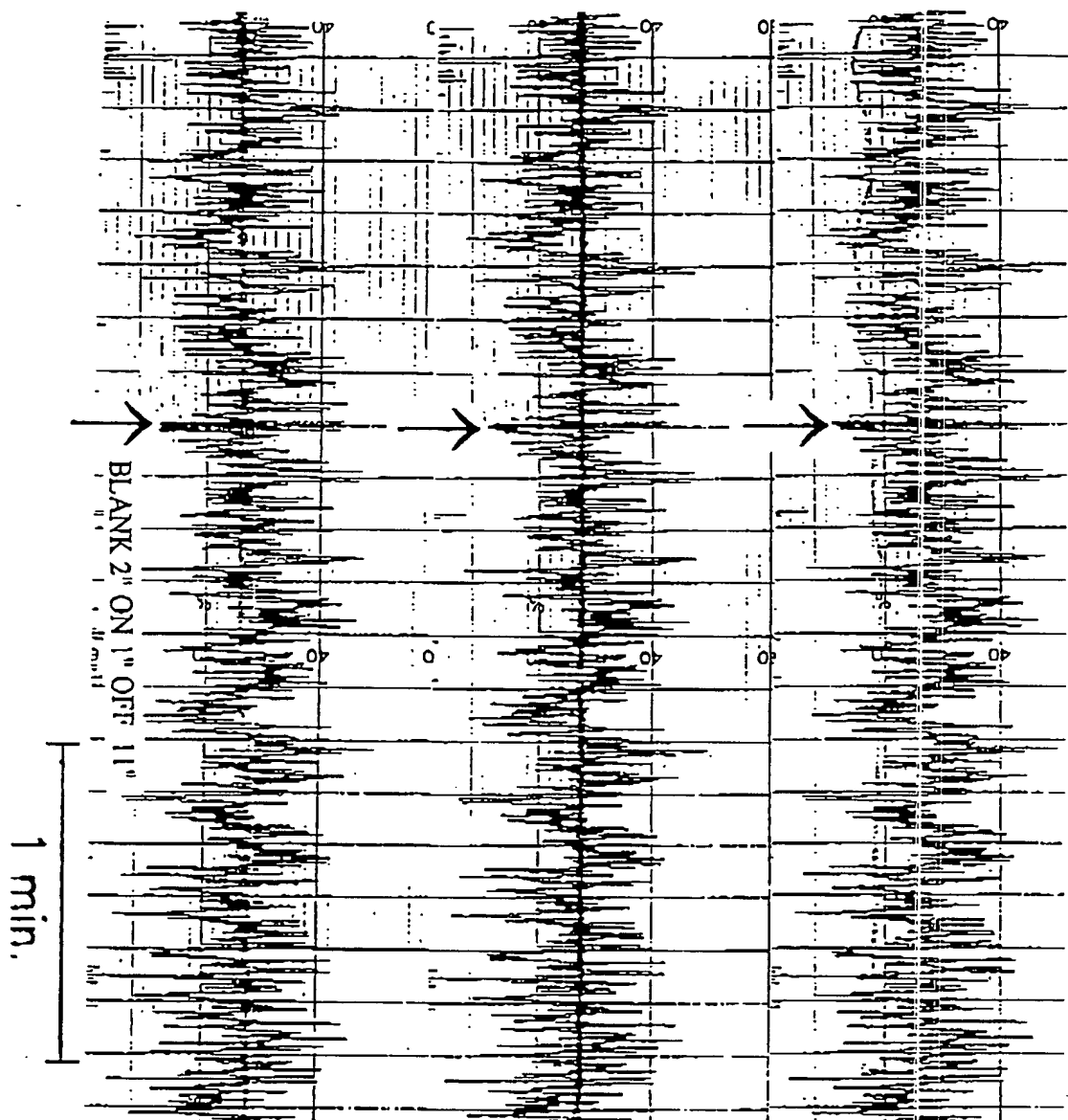
★ 233



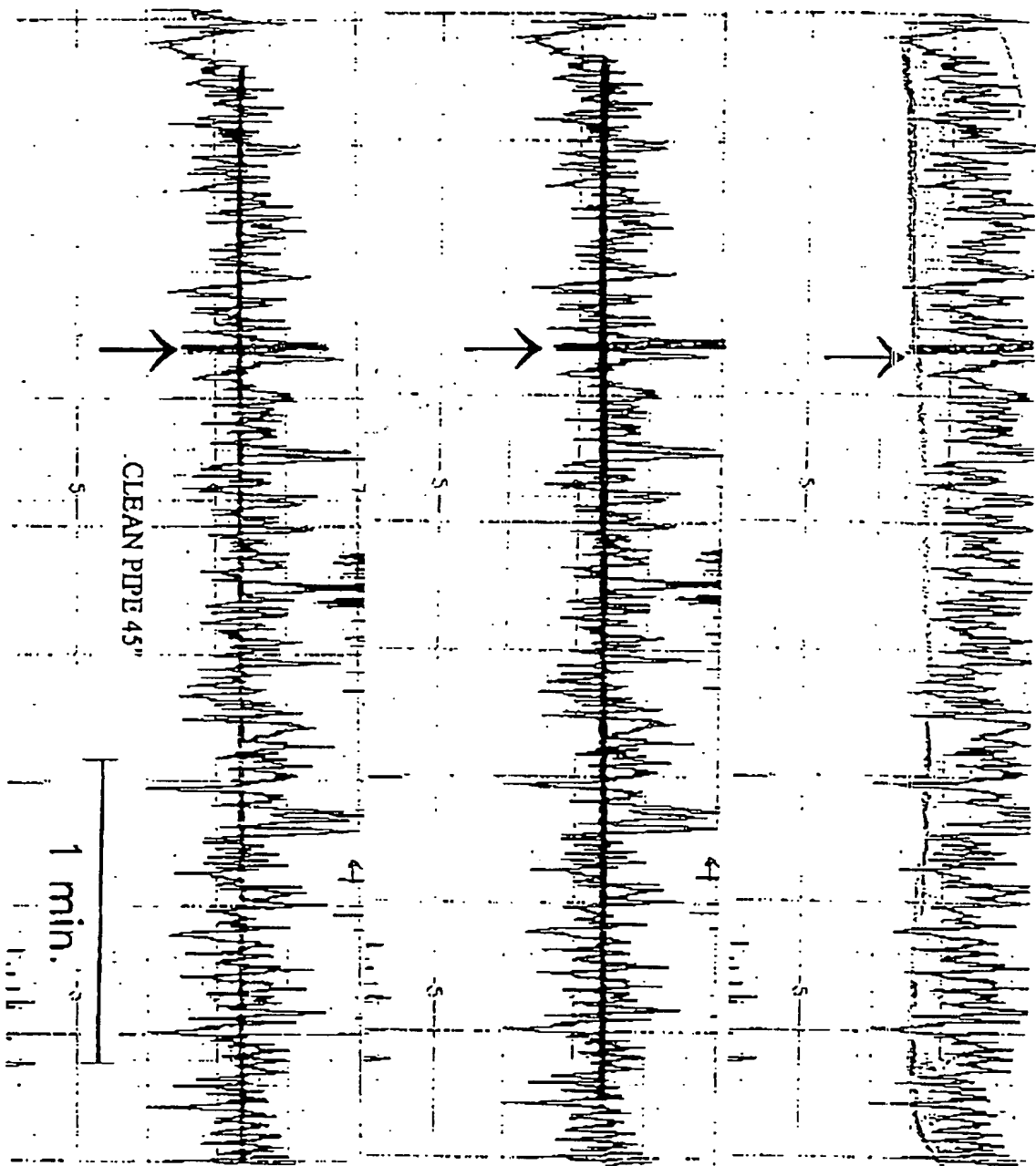
5 2734



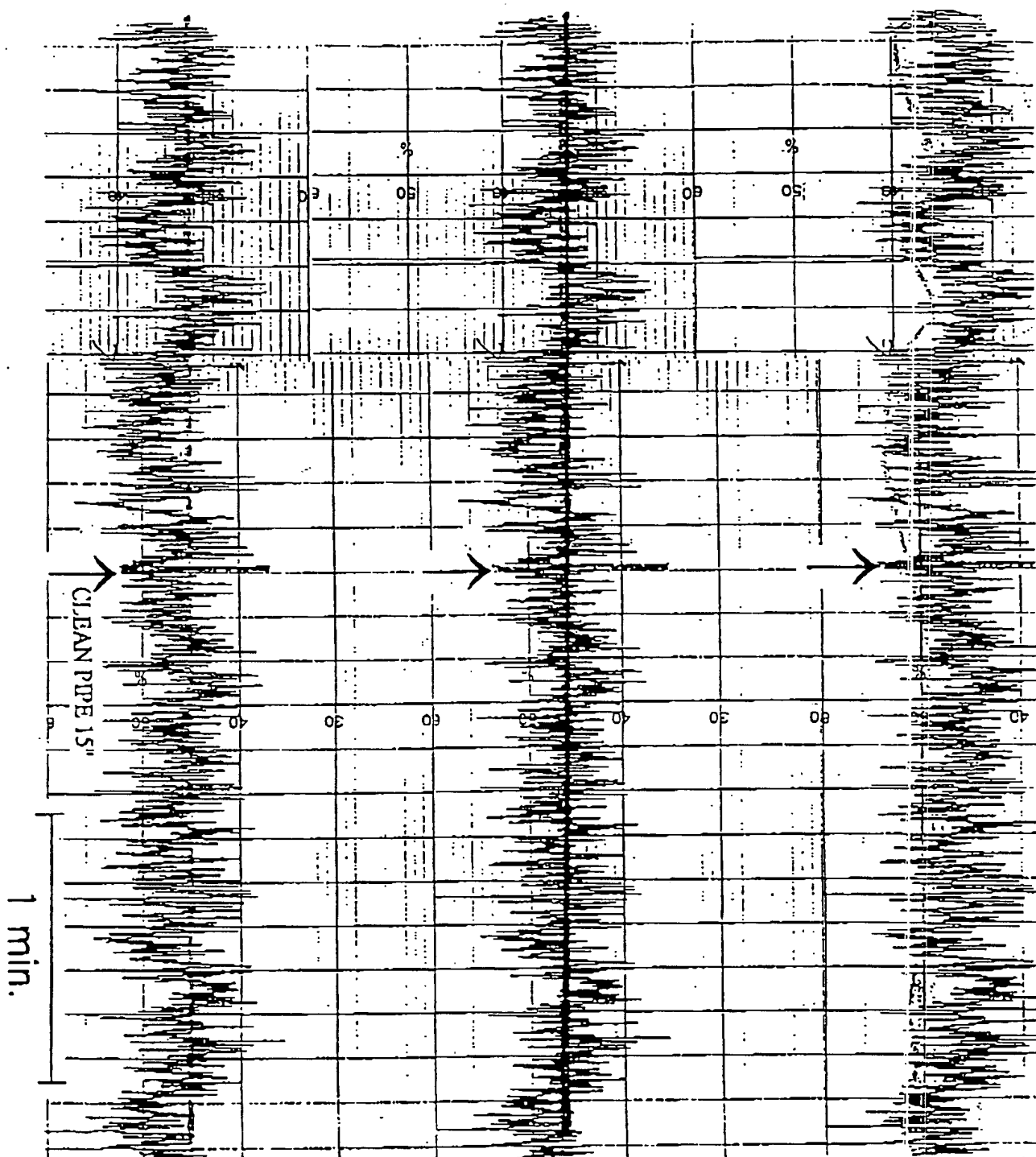
6
2435



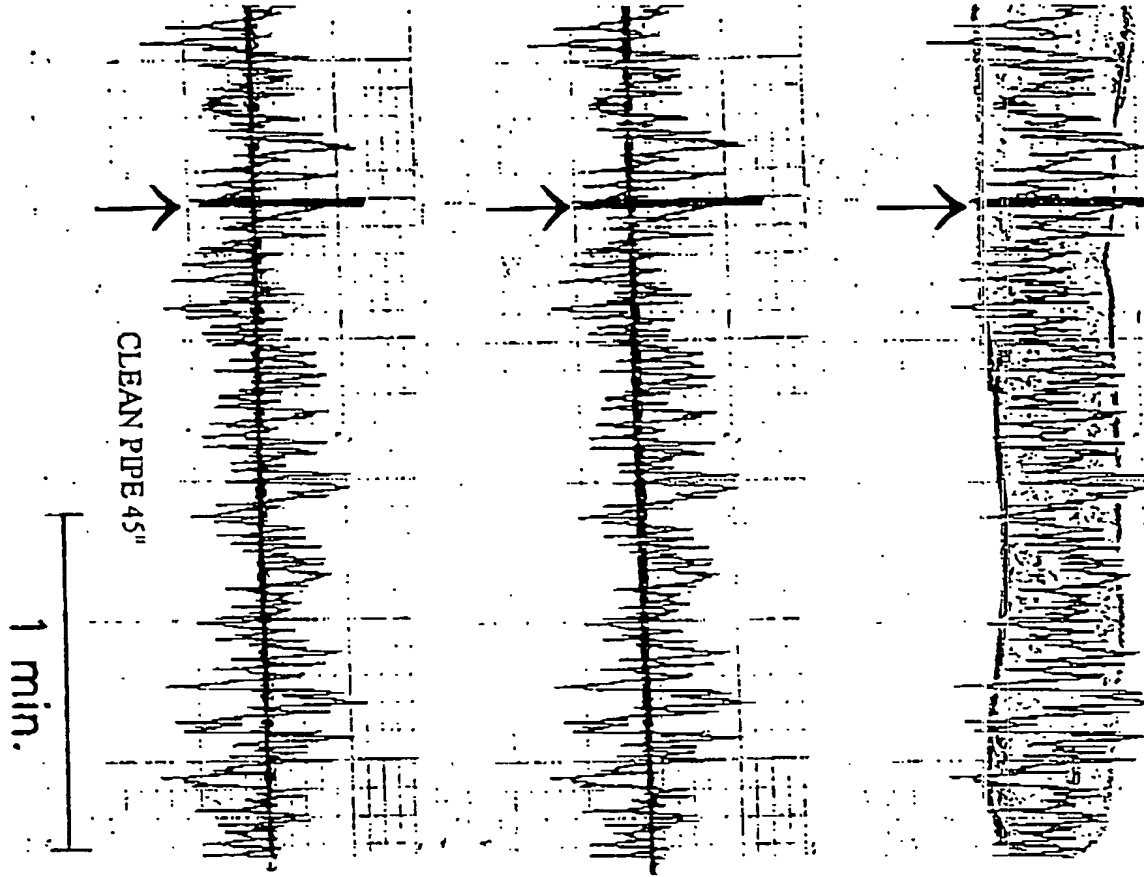
7 7426

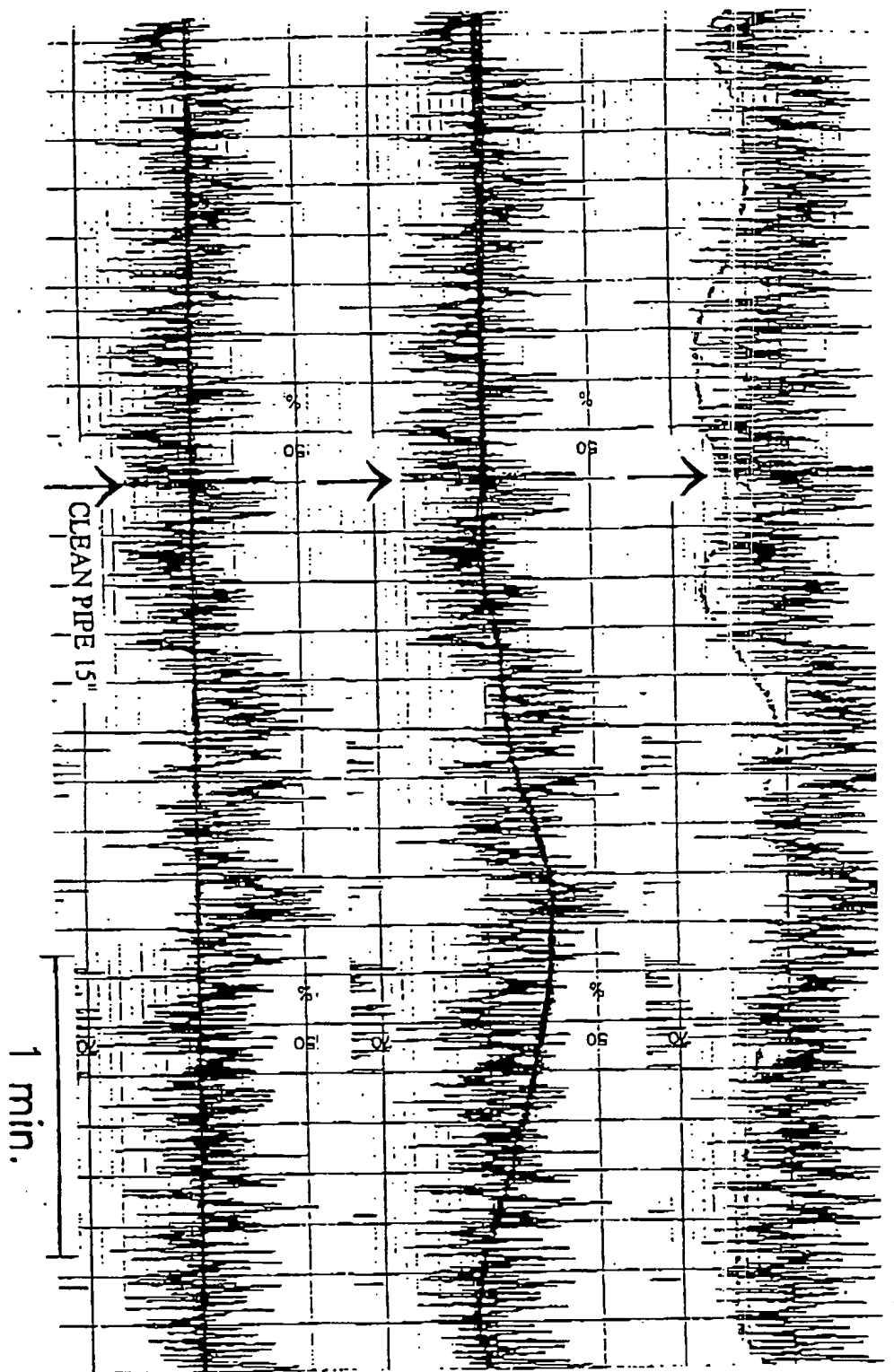


217
8



9 24 88

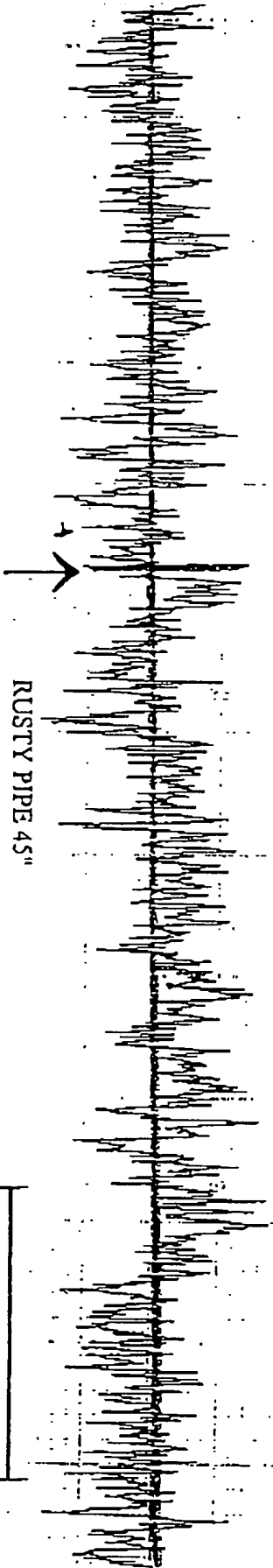




H 240

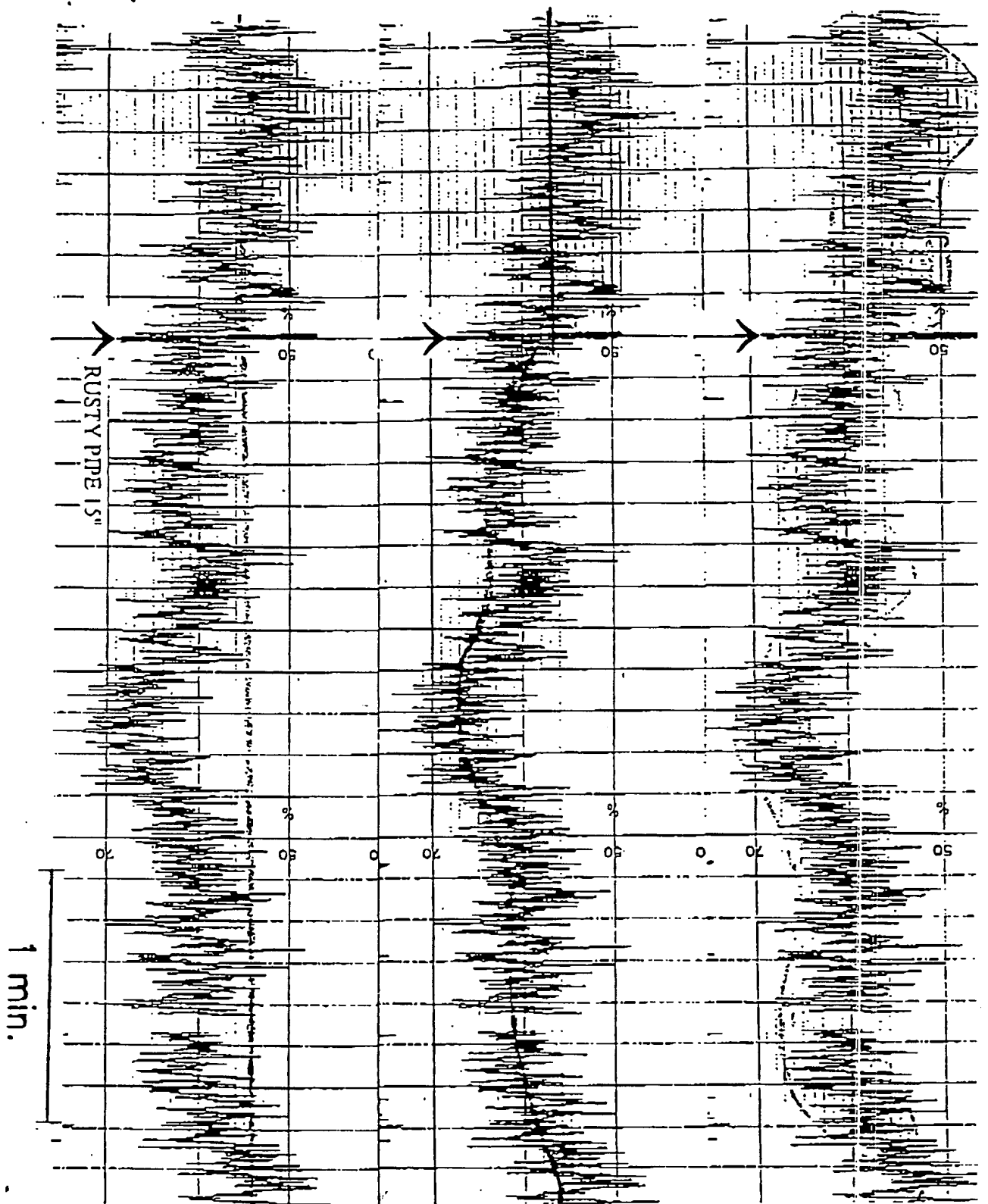


1224

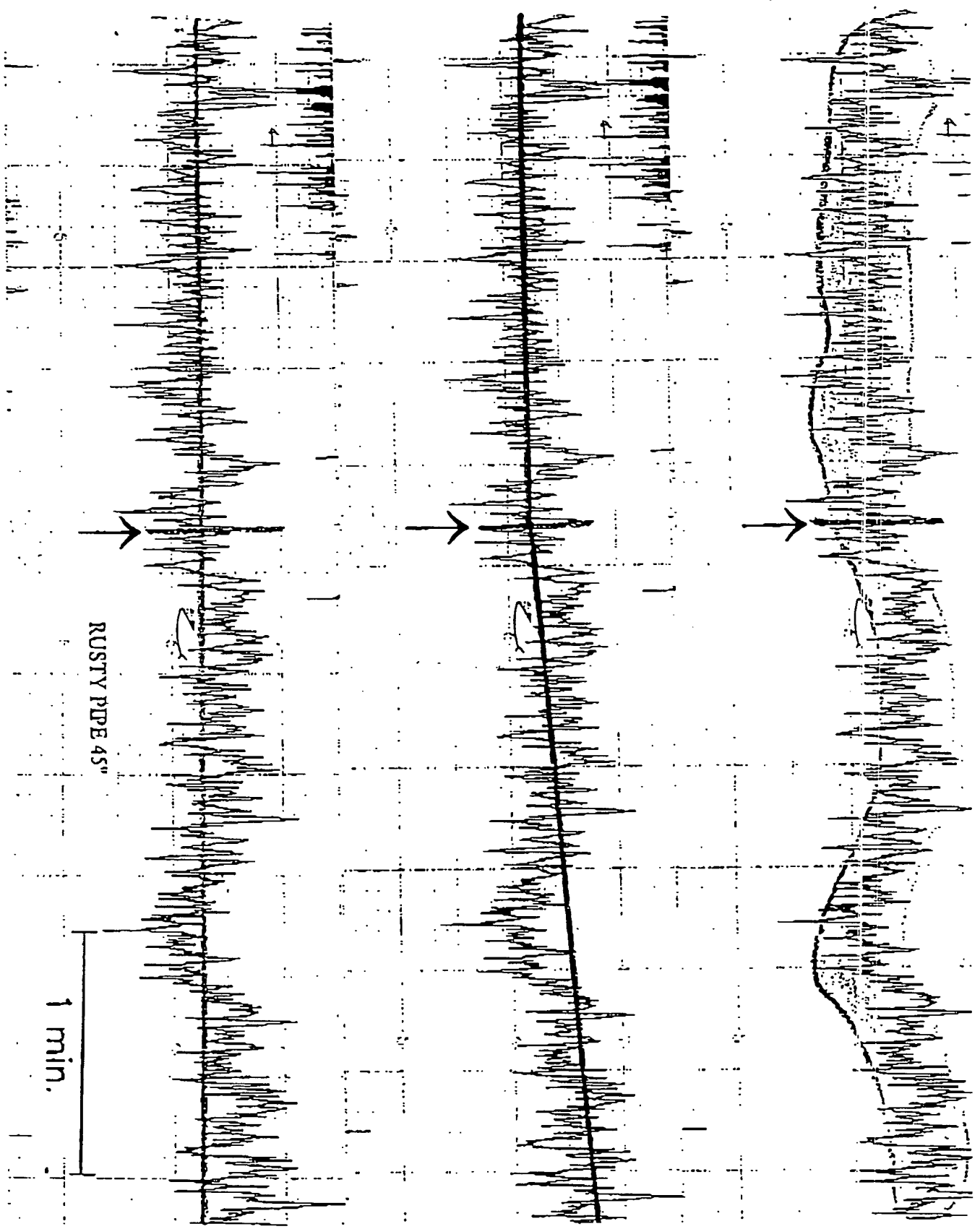


RUSTY PIPE 45"

1 min.

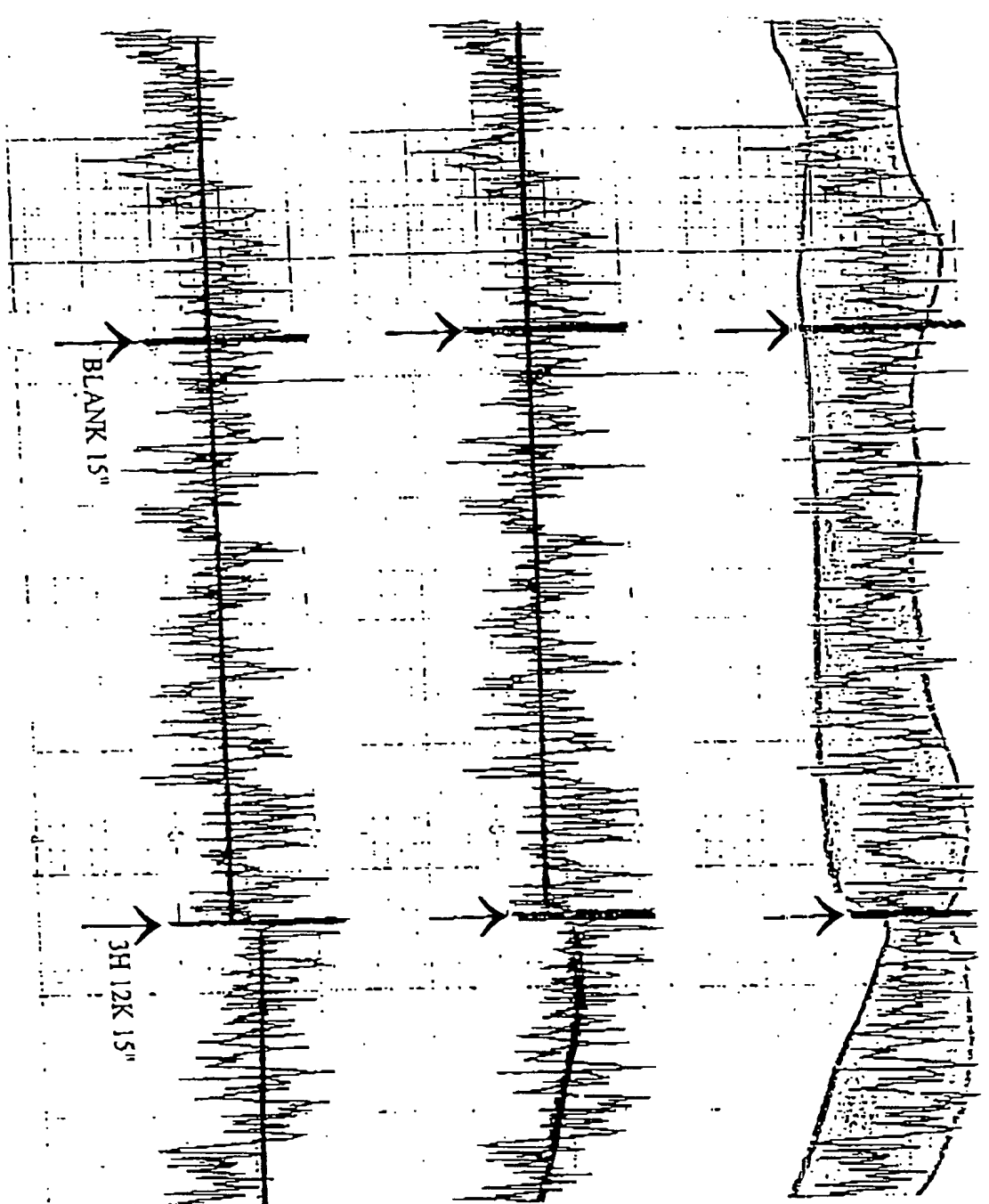


13 742

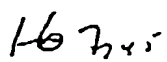


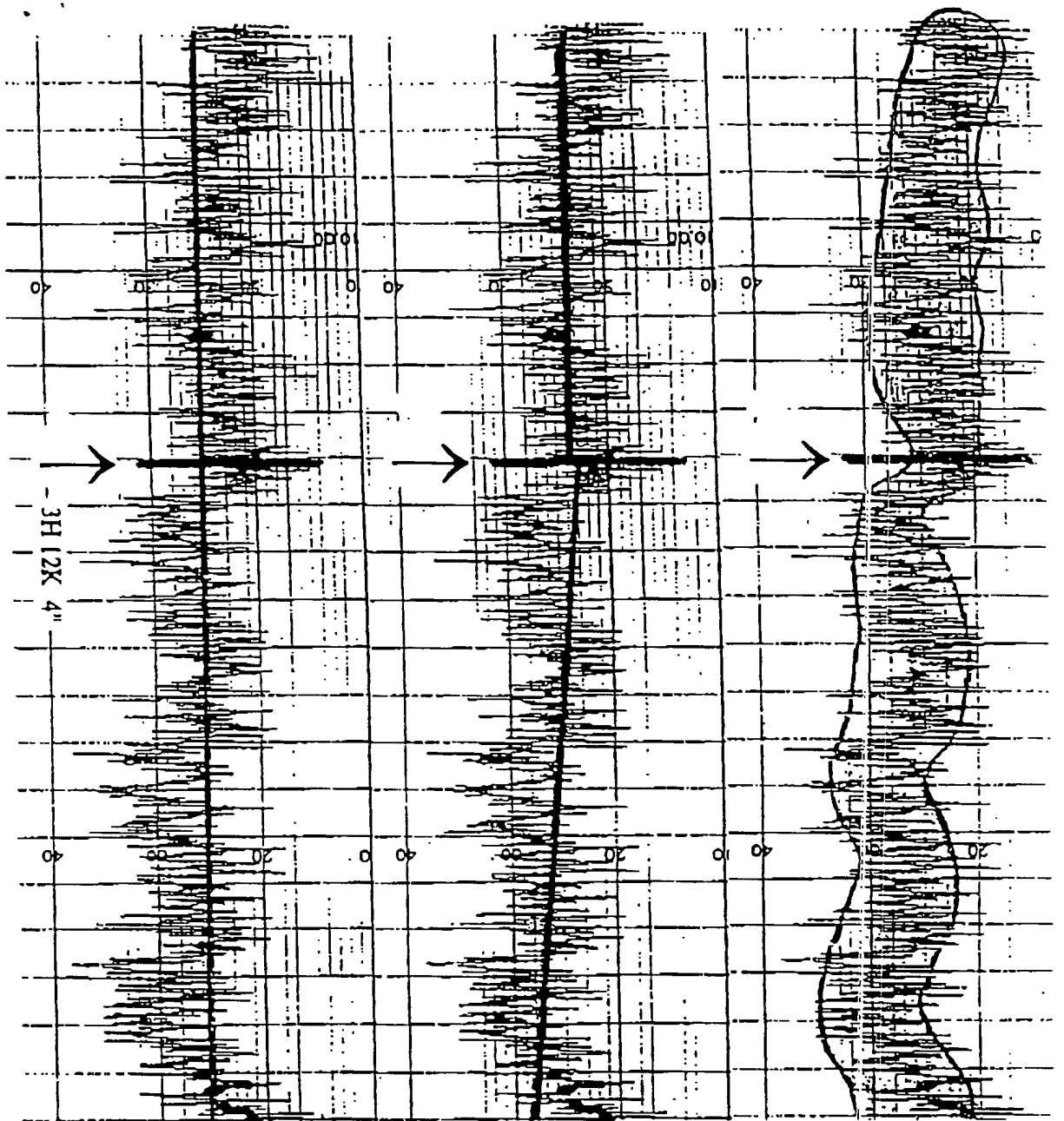
14 JUN

1 min.

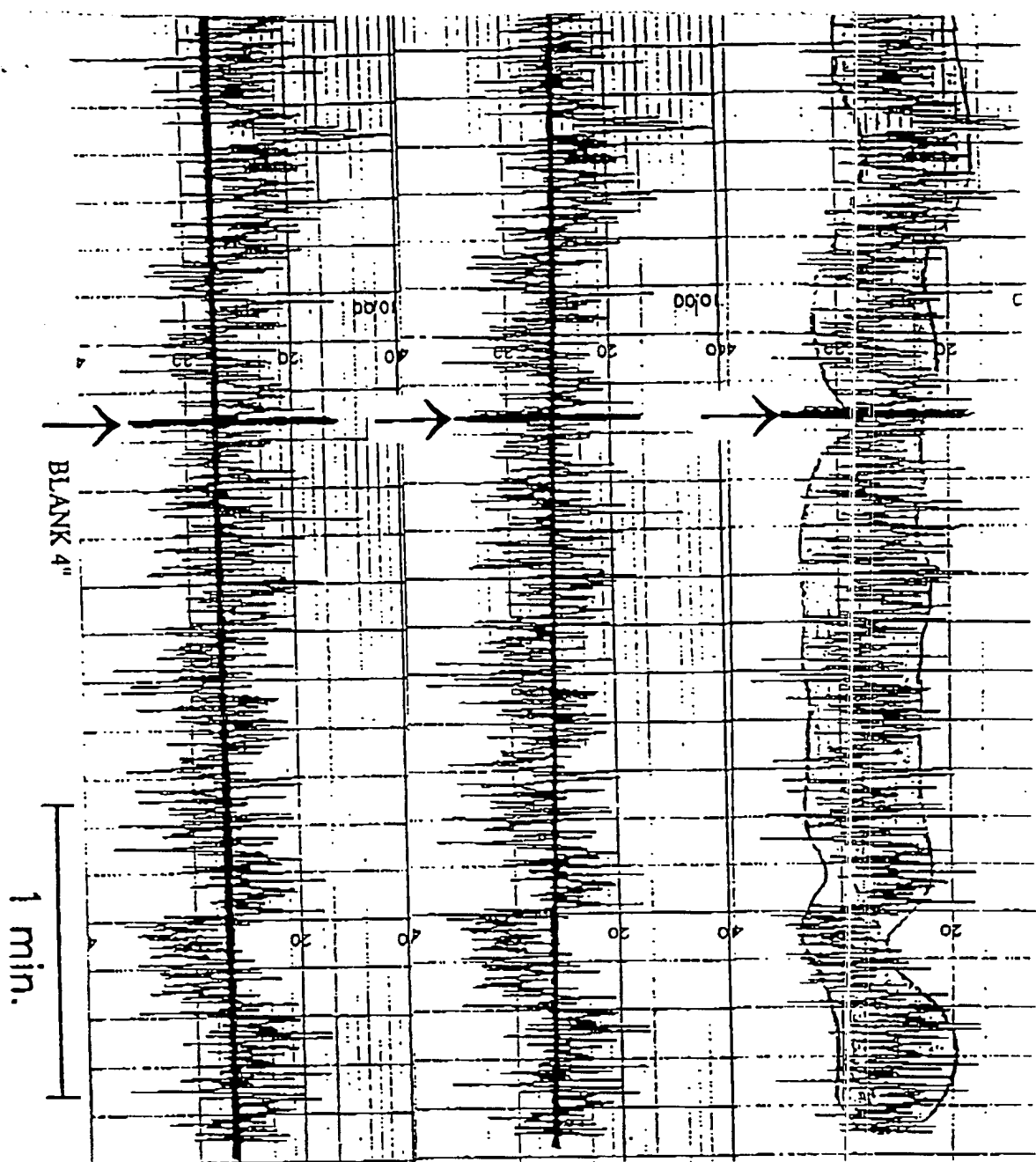


744

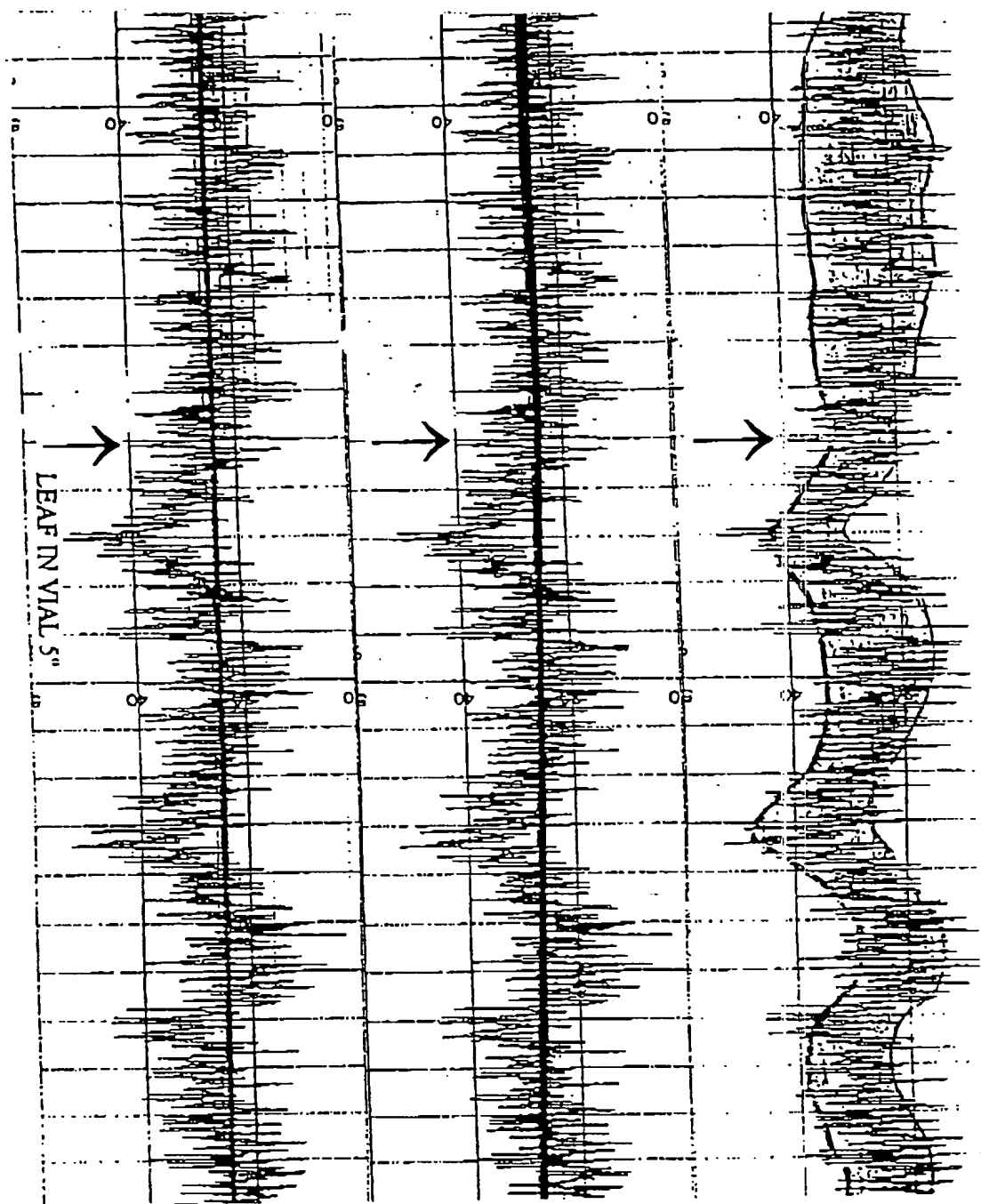




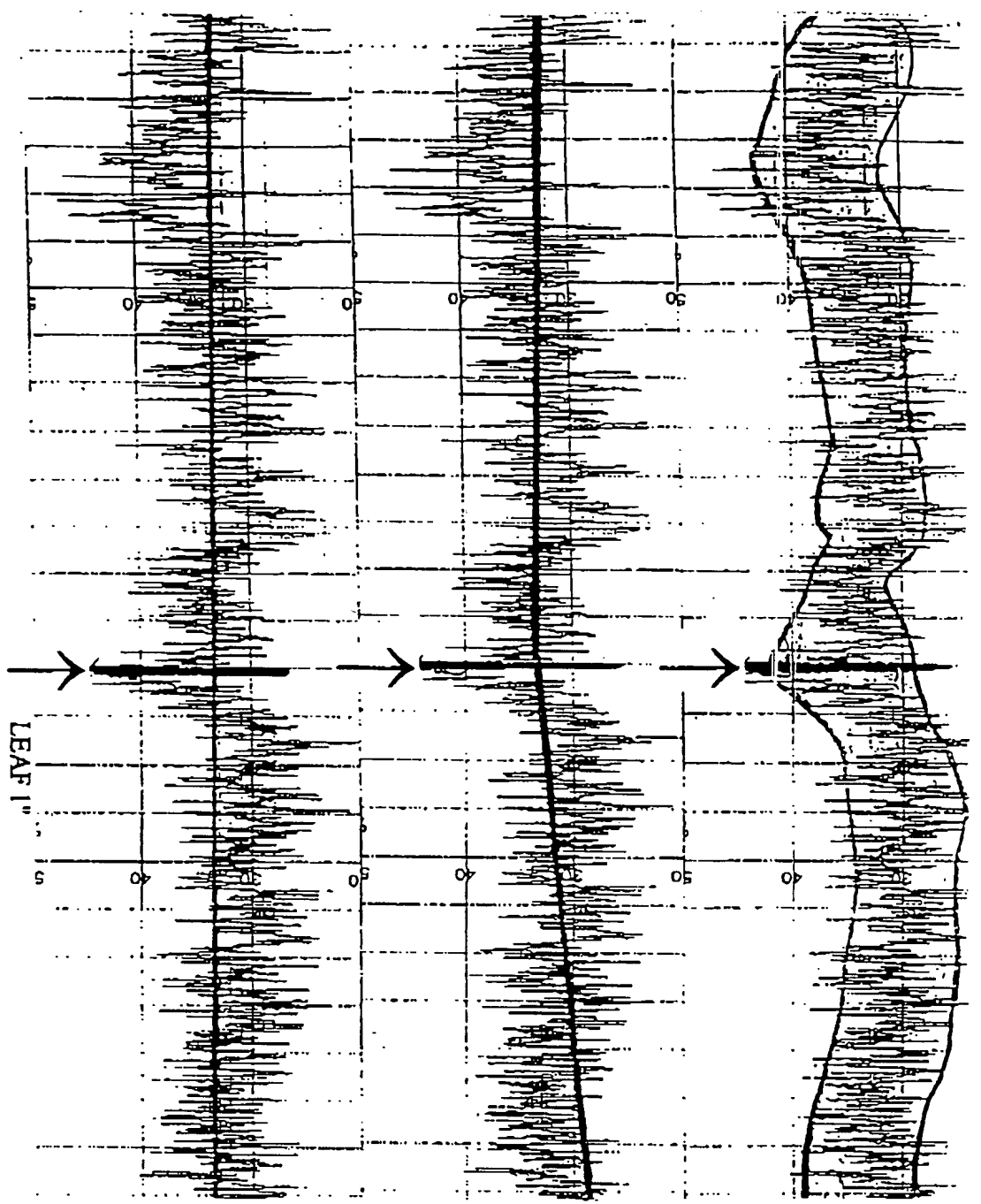
fn 46



247
+8



248



24